

India - Improving Last-Mile Service Delivery using Phone-Based Monitoring Impact Evaluation 2018

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Report generated on: September 2, 2025

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Identification

SURVEY ID NUMBER
IND_2018_ILMSDPBM-IE_v01_M

TITLE
Improving Last-Mile Service Delivery using Phone-Based Monitoring Impact Evaluation 2018

COUNTRY/ECONOMY

| Name | Country code |
|-------|--------------|
| India | IND |

STUDY TYPE
Administrative Records, Other (ad/oth]

ABSTRACT
Improving "last-mile" public-service delivery is a recurring challenge in developing countries. Could the widespread adoption of mobile phones provide a scalable, cost-effective means for improvement? We use a large-scale experiment to evaluate the impact of phone-based monitoring on a program that transferred nearly a billion dollars to 5.7 million Indian farmers. In randomly-selected jurisdictions, officials were informed that program implementation would be measured via calls with beneficiaries. This led to a 7.8% reduction in the number of farmers who did not receive their transfers. The program was highly cost-effective, costing 3.6 cents for each additional dollar delivered.

KIND OF DATA
Administrative records data [adm]

UNIT OF ANALYSIS
District, mandal, MAO, plot

Version

VERSION DESCRIPTION
v01: Edited, anonymized datasets for public distribution

VERSION DATE
2025-06-24T04:00:00.000Z

Scope

NOTES
This study covers topics related to state capacity, service delivery, and mobile phones.

KEYWORDS

| Keyword |
|------------------|
| State Capacity |
| Service Delivery |
| Mobile Phones |
| India |

Coverage

GEOGRAPHIC COVERAGE

Telangana, India

Producers and sponsors

PRIMARY INVESTIGATORS

| Name | Affiliation |
|----------------------|--|
| Jeffrey Weaver | University of Southern California |
| Karthik Muralidharan | UC San Diego, J-PAL, NBER, and BREAD |
| Paul Niehaus | UC San Diego, J-PAL, NBER, and BREAD |
| Sandip Sukhtankar | University of Virginia, J-PAL, and BREAD |

FUNDING AGENCY/SPONSOR

| Name | Abbreviation |
|----------------------------------|--------------|
| Strategic Impact Evaluation Fund | SIEF |

Sampling

SAMPLING PROCEDURE

Details on sampling and experimental design can be found on the AEA RCT Registry located here:
<https://www.socialscisearch.org/trials/2942>

Data collection

DATES OF DATA COLLECTION

| Start | End | Cycle |
|------------|------------|-------|
| 2018-05-08 | 2018-09-26 | All |

DATA COLLECTION NOTES

Details on data collection can be found on the AEA RCT Registry located here:
<https://www.socialscisearch.org/trials/2942>

The following publication, available to download, is supplemented by the data in this project:
 Muralidharan, Karthik, Paul Niehaus, Sandip Sukhtankar, and Jeffrey Weaver. "Improving Last-Mile Service Delivery Using Phone-Based Monitoring." *American Economic Journal: Applied Economics* 13, no. 2 (April 2021): 52-82.
<https://doi.org/10.1257/app.20190783>.

Questionnaires

QUESTIONNAIRES

All variable names and descriptions are included in the "readme.pdf" file, which is available to download.

Notes on the readme file:

- 1) For labels and descriptions of the variables in the BalanceTests4.dta dataset, refer to BalanceTests3.dta in the readme file. The variables appear there.
- 2) The rand and mandal_id variables in the miscdata.dta dataset and the dist_id, dist_mandal_uid_MC, and village_uid_MC variables in the mcdata.dta dataset are generated ID variables.

Data Processing

METHODOLOGY NOTES

Replication files are available to download.

Access policy

CONTACTS

| Name | Affiliation | Email | URL |
|----------------------------------|--|--------------------------|----------------------|
| Karthik Muralidharan | UC San Diego, J-PAL, NBER, and BREAD | | |
| Paul Niehaus | UC San Diego, J-PAL, NBER, and BREAD | | |
| Sandip Sukhtankar | University of Virginia, J-PAL, and BREAD | | |
| Jeffrey Weaver | University of Southern California | | |
| Strategic Impact Evaluation Fund | The World Bank | siefimpact@worldbank.org | Link |

CONFIDENTIALITY

ACCESS CONDITIONS

Public Access

CITATION REQUIREMENTS

Use of the dataset must be acknowledged using a citation which would include:

- the identification of the Primary Investigator
- the title of the survey (including country, acronym and year of implementation)
- the survey reference number
- the source and date of download

Example:

Jeffrey Weaver (University of Southern California), Karthik Muralidharan (UC San Diego, J-PAL, NBER, and BREAD), Paul Niehaus (UC San Diego, J-PAL, NBER, and BREAD) and Sandip Sukhtankar (University of Virginia, J-PAL, and BREAD). India - Improving Last-Mile Service Delivery using Phone-Based Monitoring Impact Evaluation 2018. Ref: IND_2018_ILMSDPBM-IE_v01_M. Dataset downloaded from [URL] on [date].

ACCESS AUTHORITY

| Name | Affiliation | Email | URL |
|----------------------------------|----------------|--------------------------|----------------------|
| Strategic Impact Evaluation Fund | The World Bank | siefimpact@worldbank.org | Link |

LOCATION OF DATA COLLECTION

World Bank Microdata Library

Disclaimer and copyrights

DISCLAIMER

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

Metadata production

DDI DOCUMENT ID

DDI_IND_2018_ILMSDPBM-IE_v01_M_WB

PRODUCERS

| Name | Abbreviation | Affiliation | Role |
|----------------------------------|---------------------|--------------------|----------------------------|
| Development Economics Data Group | DECDG | The World Bank | Documentation of the study |

DATE OF METADATA PRODUCTION

2025-06-24T04:00:00.000Z

DDI DOCUMENT VERSION

Version 01 (June 2025)

Data Dictionary

| Data file | Cases | Variables |
|---|--------------|------------------|
| admindata This dataset contains variables from the land registry of all farmers in the state, the administrative dataset for Rythu Bandhu with check encashment outcomes, and some variables from the phone survey that are used in the primary analysis. The data set is at the plot level, as in the land registry. | 5797429 | 23 |
| balancetests1 This dataset contains the full set of variables from the land registry that are used for balance tests. | 548 | 9 |
| balancetests2 This dataset contains the full set of variables from the 2011 Census and other federal datasets that are used for balance tests. | 548 | 13 |
| balancetests3 This dataset contains the full set of variables from administrative records housed with the state government that are used for balance tests. | 548 | 10 |
| balancetests4 This dataset contains the full set of variables from administrative records housed with the state government that are used for balance tests. | 548 | 13 |
| costeffectiveness This dataset contains the daily total value of checks encashed in treatment and control mandals, and the total value of checks that are eligible for encashment in treatment and control mandals. | 546 | 138 |
| landsizevector This dataset contains the exact value of land size for each of the farmers in the dataset. | 5733025 | 1 |
| phonedata This dataset contains the set of variables from the phone survey (apart from check receipt and encashment) that are used in the final analysis. | 22565 | 7 |
| miscdata This dataset contains data at the mandal level, with a limited number of variables that are used to test for spillovers across mandals and whether the treatment affected other MAO activities. | 564 | 16 |
| mcdata This dataset contains a limited set of variables, including adjusted encashment outcomes and village, mandal and district identifiers. | 5733053 | 15 |

Data file: admindata

This dataset contains variables from the land registry of all farmers in the state, the administrative dataset for Rythu Bandhu with check encashment outcomes, and some variables from the phone survey that are used in the primary analysis. The data set is at the plot level, as in the land registry.

Cases: 5797429

Variables: 23

Variables

| ID | Name | Label | Question |
|-----|---------------------|---|----------|
| V1 | dist_mandal_uid | Mandal ID | |
| V2 | treatment | Treatment | |
| V3 | mao_id | MAO ID | |
| V4 | strata | Strata ID | |
| V5 | adj_encash | Encashment dummy (adjusted for call date) | |
| V6 | dist_uid | District ID | |
| V7 | hasmobile | Farmer has a phone number (= 1) | |
| V8 | encash_days | Days taken to encash | |
| V9 | admin_dist | Ever distributed | |
| V10 | admin_encash | Ever encashed | |
| V11 | a1 | Check receipt dummy from phone survey | |
| V12 | b3 | Check encashment dummy from phone survey | |
| V13 | sampled | Sampled for phone survey | |
| V14 | sampled_completed | Phone survey completed | |
| V15 | unique_farmer_tag | Farmer unique tag | |
| V16 | land_q | Quartiles of land size | |
| V17 | encash_date | Date of Encashment | |
| V18 | mao_sampled | Sampled for MAO survey | |
| V19 | mao_surveyed | Completed MAO survey | |
| V20 | admin_encash_ontime | Encashed on time | |
| V21 | encash_days_report | Days to encashment for report | |
| V22 | report | Report dummy | |
| V23 | landsize_q25 | Land size bins (2.5% each) | |

Total: 23

Data file: balancetests1

This dataset contains the full set of variables from the land registry that are used for balance tests.

Cases: 548

Variables: 9

Variables

| ID | Name | Label | Question |
|-----|--------------|-----------------------------|----------|
| V24 | treatment | Treatment | |
| V25 | num_farmers | Farmers per MAO | |
| V26 | p25_landsize | Land Size - 25th Percentile | |
| V27 | p50_landsize | Median Land Size | |
| V28 | p75_landsize | Land Size - 75th Percentile | |
| V29 | landsize | Land Ownership (acres) | |
| V30 | hasmobile | Registered Mobile Numbers | |
| V31 | mao_id1 | MAO identifier | |
| V32 | strata1 | Strata identifier | |

Total: 9

Data file: balancetests2

This dataset contains the full set of variables from the 2011 Census and other federal datasets that are used for balance tests.

| | |
|--------|-----|
| Cases: | 548 |
|--------|-----|

| | |
|------------|----|
| Variables: | 13 |
|------------|----|

Variables

| ID | Name | Label | Question |
|-----|------------|---|----------|
| V33 | treatment | Treatment | |
| V34 | tot_pop | Mandal population | |
| V35 | paddy | Share of villages with paddy as main crop | |
| V36 | power_all | Share of electrified villages | |
| V37 | dist_hyd | Average village distance from Hyderabad | |
| V38 | irr_area | Share of irrigated land | |
| V39 | female_pop | Share of female population | |
| V40 | sc_pop | Share of SC population | |
| V41 | st_pop | Share of ST population | |
| V42 | literacy | Literacy rate in mandal | |
| V43 | work_pop | Share of working population | |
| V44 | mao_id2 | MAO identifier | |
| V45 | strata2 | Strata identifier | |

Total: 13

Data file: balancetests3

This dataset contains the full set of variables from administrative records housed with the state government that are used for balance tests.

| | |
|--------|-----|
| Cases: | 548 |
|--------|-----|

| | |
|------------|----|
| Variables: | 10 |
|------------|----|

Variables

| ID | Name | Label | Question |
|-----|-----------------|---|----------|
| V46 | treatment | Treatment | |
| V47 | rainfall | Average rainfall in mandal 2013-17 (mm) | |
| V48 | nearest_bank | Average distance to nearest bank | |
| V49 | atm_dist_cont | Average distance to nearest ATM | |
| V50 | pucca_road | Share of villages with all-weather road | |
| V51 | hhshare_banking | Share of HHs using banking services | |
| V52 | hhshare_mobile | Share of HHs owning mobile phones | |
| V53 | allbanks_total | Number of banks in mandal | |
| V54 | mao_id3 | MAO identifier | |
| V55 | strata3 | Strata identifier | |

Total: 10

Data file: balancetests4

This dataset contains the full set of variables from administrative records housed with the state government that are used for balance tests.

Cases: 548

Variables: 13

Variables

| ID | Name | Label | Question |
|-----|------------------|---------------------------------------|----------|
| V56 | treatment | Treatment | |
| V57 | mao_age | Age of MAO | |
| V58 | mao_gender | Gender of MAO (Female = 1) | |
| V59 | num_samples_17 | Number of SHC samples (2017) | |
| V60 | shc_farmers_17 | No. of farmers covered by SHCs (2017) | |
| V61 | tests_entered_17 | SHC tests conducted (2017) | |
| V62 | shc_available_17 | SHCs available on portal (2017) | |
| V63 | num_samples_16 | Number of SHC samples (2016) | |
| V64 | shc_farmers_16 | No. of farmers covered by SHCs (2016) | |
| V65 | tests_entered_16 | SHC tests conducted (2016) | |
| V66 | shc_available_16 | SHCs available on portal (2016) | |
| V67 | mao_id4 | MAO identifier | |
| V68 | strata4 | Strata identifier | |

Total: 13

Data file: costeffectiveness

This dataset contains the daily total value of checks encashed in treatment and control mandals, and the total value of checks that are eligible for encashment in treatment and control mandals.

Cases: 546

Variables: 138

Variables

| ID | Name | Label | Question |
|------|-------------|-------------------|----------|
| V69 | treatment | Treatment dummy | |
| V70 | value_21314 | (sum) value_21314 | |
| V71 | value_21315 | (sum) value_21315 | |
| V72 | value_21316 | (sum) value_21316 | |
| V73 | value_21317 | (sum) value_21317 | |
| V74 | value_21318 | (sum) value_21318 | |
| V75 | value_21319 | (sum) value_21319 | |
| V76 | value_21320 | (sum) value_21320 | |
| V77 | value_21321 | (sum) value_21321 | |
| V78 | value_21322 | (sum) value_21322 | |
| V79 | value_21323 | (sum) value_21323 | |
| V80 | value_21324 | (sum) value_21324 | |
| V81 | value_21325 | (sum) value_21325 | |
| V82 | value_21326 | (sum) value_21326 | |
| V83 | value_21327 | (sum) value_21327 | |
| V84 | value_21328 | (sum) value_21328 | |
| V85 | value_21329 | (sum) value_21329 | |
| V86 | value_21330 | (sum) value_21330 | |
| V87 | value_21331 | (sum) value_21331 | |
| V88 | value_21332 | (sum) value_21332 | |
| V89 | value_21333 | (sum) value_21333 | |
| V90 | value_21334 | (sum) value_21334 | |
| V91 | value_21335 | (sum) value_21335 | |
| V92 | value_21336 | (sum) value_21336 | |
| V93 | value_21337 | (sum) value_21337 | |
| V94 | value_21338 | (sum) value_21338 | |
| V95 | value_21339 | (sum) value_21339 | |
| V96 | value_21340 | (sum) value_21340 | |
| V97 | value_21341 | (sum) value_21341 | |
| V98 | value_21342 | (sum) value_21342 | |
| V99 | value_21343 | (sum) value_21343 | |
| V100 | value_21344 | (sum) value_21344 | |
| V101 | value_21345 | (sum) value_21345 | |
| V102 | value_21346 | (sum) value_21346 | |
| V103 | value_21347 | (sum) value_21347 | |
| V104 | value_21348 | (sum) value_21348 | |

| ID | Name | Label | Question |
|------|-------------|-------------------|----------|
| V105 | value_21349 | (sum) value_21349 | |
| V106 | value_21350 | (sum) value_21350 | |
| V107 | value_21351 | (sum) value_21351 | |
| V108 | value_21352 | (sum) value_21352 | |
| V109 | value_21353 | (sum) value_21353 | |
| V110 | value_21354 | (sum) value_21354 | |
| V111 | value_21355 | (sum) value_21355 | |
| V112 | value_21356 | (sum) value_21356 | |
| V113 | value_21357 | (sum) value_21357 | |
| V114 | value_21358 | (sum) value_21358 | |
| V115 | value_21359 | (sum) value_21359 | |
| V116 | value_21360 | (sum) value_21360 | |
| V117 | value_21361 | (sum) value_21361 | |
| V118 | value_21362 | (sum) value_21362 | |
| V119 | value_21363 | (sum) value_21363 | |
| V120 | value_21364 | (sum) value_21364 | |
| V121 | value_21365 | (sum) value_21365 | |
| V122 | value_21366 | (sum) value_21366 | |
| V123 | value_21367 | (sum) value_21367 | |
| V124 | value_21368 | (sum) value_21368 | |
| V125 | value_21369 | (sum) value_21369 | |
| V126 | value_21370 | (sum) value_21370 | |
| V127 | value_21371 | (sum) value_21371 | |
| V128 | value_21372 | (sum) value_21372 | |
| V129 | value_21373 | (sum) value_21373 | |
| V130 | value_21374 | (sum) value_21374 | |
| V131 | value_21375 | (sum) value_21375 | |
| V132 | value_21376 | (sum) value_21376 | |
| V133 | value_21377 | (sum) value_21377 | |
| V134 | value_21378 | (sum) value_21378 | |
| V135 | value_21379 | (sum) value_21379 | |
| V136 | value_21380 | (sum) value_21380 | |
| V137 | value_21381 | (sum) value_21381 | |
| V138 | value_21382 | (sum) value_21382 | |
| V139 | value_21383 | (sum) value_21383 | |
| V140 | value_21384 | (sum) value_21384 | |
| V141 | value_21385 | (sum) value_21385 | |
| V142 | value_21386 | (sum) value_21386 | |
| V143 | value_21387 | (sum) value_21387 | |
| V144 | value_21388 | (sum) value_21388 | |
| V145 | value_21389 | (sum) value_21389 | |
| V146 | value_21390 | (sum) value_21390 | |
| V147 | value_21391 | (sum) value_21391 | |
| V148 | value_21392 | (sum) value_21392 | |
| V149 | value_21393 | (sum) value_21393 | |

| ID | Name | Label | Question |
|------|-------------|-------------------|----------|
| V150 | value_21394 | (sum) value_21394 | |
| V151 | value_21395 | (sum) value_21395 | |
| V152 | value_21396 | (sum) value_21396 | |
| V153 | value_21397 | (sum) value_21397 | |
| V154 | value_21398 | (sum) value_21398 | |
| V155 | value_21399 | (sum) value_21399 | |
| V156 | value_21400 | (sum) value_21400 | |
| V157 | value_21401 | (sum) value_21401 | |
| V158 | value_21402 | (sum) value_21402 | |
| V159 | value_21403 | (sum) value_21403 | |
| V160 | value_21404 | (sum) value_21404 | |
| V161 | value_21405 | (sum) value_21405 | |
| V162 | value_21406 | (sum) value_21406 | |
| V163 | value_21407 | (sum) value_21407 | |
| V164 | value_21408 | (sum) value_21408 | |
| V165 | value_21409 | (sum) value_21409 | |
| V166 | value_21410 | (sum) value_21410 | |
| V167 | value_21412 | (sum) value_21412 | |
| V168 | value_21413 | (sum) value_21413 | |
| V169 | value_21414 | (sum) value_21414 | |
| V170 | value_21415 | (sum) value_21415 | |
| V171 | value_21416 | (sum) value_21416 | |
| V172 | value_21417 | (sum) value_21417 | |
| V173 | value_21419 | (sum) value_21419 | |
| V174 | value_21420 | (sum) value_21420 | |
| V175 | value_21421 | (sum) value_21421 | |
| V176 | value_21423 | (sum) value_21423 | |
| V177 | value_21424 | (sum) value_21424 | |
| V178 | value_21425 | (sum) value_21425 | |
| V179 | value_21426 | (sum) value_21426 | |
| V180 | value_21427 | (sum) value_21427 | |
| V181 | value_21428 | (sum) value_21428 | |
| V182 | value_21430 | (sum) value_21430 | |
| V183 | value_21431 | (sum) value_21431 | |
| V184 | value_21432 | (sum) value_21432 | |
| V185 | value_21433 | (sum) value_21433 | |
| V186 | value_21434 | (sum) value_21434 | |
| V187 | value_21435 | (sum) value_21435 | |
| V188 | value_21436 | (sum) value_21436 | |
| V189 | value_21437 | (sum) value_21437 | |
| V190 | value_21438 | (sum) value_21438 | |
| V191 | value_21439 | (sum) value_21439 | |
| V192 | value_21440 | (sum) value_21440 | |
| V193 | value_21441 | (sum) value_21441 | |
| V194 | value_21442 | (sum) value_21442 | |

| ID | Name | Label | Question |
|------|-------------|---|----------|
| V195 | value_21443 | (sum) value_21443 | |
| V196 | value_21444 | (sum) value_21444 | |
| V197 | value_21445 | (sum) value_21445 | |
| V198 | value_21446 | (sum) value_21446 | |
| V199 | value_21447 | (sum) value_21447 | |
| V200 | value_21448 | (sum) value_21448 | |
| V201 | value_21449 | (sum) value_21449 | |
| V202 | value_21451 | (sum) value_21451 | |
| V203 | value_21452 | (sum) value_21452 | |
| V204 | value_21453 | (sum) value_21453 | |
| V205 | value_21454 | (sum) value_21454 | |
| V206 | land_sum | Total land size owned by farmers in the treatment and control mandals | |

Total: 138

Data file: landsizevector

This dataset contains the exact value of land size for each of the farmers in the dataset.

Cases: 5733025

Variables: 1

Variables

| ID | Name | Label | Question |
|------|----------|-----------------------------|----------|
| V207 | landsize | Farmer land size (in acres) | |

Total: 1

Data file: phonedata

This dataset contains the set of variables from the phone survey (apart from check receipt and encashment) that are used in the final analysis.

Cases: 22565

Variables: 7

Variables

| ID | Name | Label | Question |
|------|----------------|------------------------------|----------|
| V208 | a6_chq_where_y | Received at Gram Sabha | |
| V209 | a8_bribe_y | Asked to Pay Bribe | |
| V210 | treatment | Treatment | |
| V211 | b7_satisfied_y | Satisfied with Scheme | |
| V212 | mao_id | MAO ID | |
| V213 | strata | Strata ID | |
| V214 | weight | Inverse sampling probability | |

Total: 7

Data file: miscdata

This dataset contains data at the mandal level, with a limited number of variables that are used to test for spillovers across mandals and whether the treatment affected other MAO activities.

| | |
|--------|-----|
| Cases: | 564 |
|--------|-----|

| | |
|------------|----|
| Variables: | 16 |
|------------|----|

Variables

| ID | Name | Label | Question |
|------|------------------|---|----------|
| V215 | strata | Strata ID | |
| V216 | mao_id | MAO ID | |
| V217 | dist_uid | District ID | |
| V218 | treatment | Treatment | |
| V219 | num_samples_18 | Number of SHC samples | |
| V220 | shc_farmers_18 | No. of farmers covered by SHCs | |
| V221 | tests_entered_18 | SHC tests conducted | |
| V222 | shc_available_18 | SHCs available on portal | |
| V223 | admin_encash | Dummy for check encashment, based on administrative bank records of check encashment | |
| V224 | admin_dist | Dummy variable for whether the MAO reported distributing the check, based on MAO database | |
| V225 | trt_ada | Number of treatment mandals in the revenue division | |
| V226 | mandals_ada | Number of mandals in the revenue division | |
| V227 | ada_code | Code for the revenue division | |
| V228 | rand | Generated ID variable | |
| V229 | mandal_id | Generated ID variable | |
| V230 | dist_mandal_uid | Mandal identifier | |

Total: 16

Data file: mcdata

This dataset contains a limited set of variables, including adjusted encashment outcomes and village, mandal and district identifiers.

Cases: 5733053

Variables: 15

Variables

| ID | Name | Label | Question |
|------|--------------------|---|----------|
| V231 | dist_id | Generated ID variable | |
| V232 | dist_mandal_uid | Mandal ID | |
| V233 | dist_mandal_uid_MC | Generated ID variable | |
| V234 | village_uid | Village ID | |
| V235 | farmer_uid | Farmer ID | |
| V236 | mao_id | MAO ID | |
| V237 | dist_uid | District ID | |
| V238 | village_uid_MC | Generated ID variable | |
| V239 | farmer_pop | Farmer population in treatment mandals | |
| V240 | num_of_villages | Number of villages in treatment mandals | |
| V241 | treatment | Treatment | |
| V242 | strata | Strata ID | |
| V243 | adj_encash | Encashment dummy (adjusted for call date) | |
| V244 | land_v_q | Village level land size quintiles | |
| V245 | land_m_q | Mandal level land size quintiles | |

Total: 15

DIST_MANDAL_UID: Mandal ID**Data file:** admindata**Overview**

Valid: 5797429

Type: Continuous Width: 9 Range: - Format: character

ADMIN_ENCASH: Ever encashed**Data file:** admindata**Overview**

Valid: 5797428 Minimum: 0.0 Maximum: 1.0

Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

TREATMENT: Treatment**Data file:** admindata**Overview**

Valid: 5674986 Minimum: 0.0 Maximum: 1.0

Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

MAO_ID: MAO ID**Data file:** admindata**Overview**

Valid: 5797428 Minimum: 1.0 Maximum: 992809.0

Type: Continuous Width: 36 Range: - Format: Numeric

STRATA: Strata ID

Data file: admindata

Overview

Valid: 5684702 Minimum: 1.0 Maximum: 54.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
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ADJ_ENCASH: Encashment dummy (adjusted for call date)

Data file: admindata

Overview

Valid: 5797429 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

DIST_UID: District ID

Data file: **admindata**

Overview

Valid: 5797429 Minimum: 1.0 Maximum: 30.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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HASMOBILE: Farmer has a phone number (= 1)**Data file:** admindata**Overview**

Valid: 5797400 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

ENCASH_DAYS: Days taken to encash**Data file:** admindata**Overview**

Valid: 4786815 Minimum: 2.0 Maximum: 150.0
 Type: Continuous Width: 9 Range: - Format: Numeric

ADMIN_DIST: Ever distributed**Data file:** admindata**Overview**

Valid: 5797428 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

A1: Check receipt dummy from phone survey**Data file:** admindata**Overview**

Valid: 22305 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

B3: Check encashment dummy from phone survey

Data file: admindata

Overview

Valid: 22254 Minimum: 0.0 Maximum: 1.0

Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

SAMPLED: Sampled for phone survey

Data file: admindata

Overview

Valid: 5797429 Minimum: 0.0 Maximum: 1.0

Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

SAMPLED_COMPLETED: Phone survey completed

Data file: admindata

Overview

Valid: 5797429 Minimum: 0.0 Maximum: 1.0

Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

UNIQUE_FARMER_TAG: Farmer unique tag

Data file: admindata

Overview

Valid: 5797429 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

LAND_Q: Quartiles of land size

Data file: admindata

Overview

Valid: 5797400 Minimum: 1.0 Maximum: 4.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |

ENCASH_DATE: Date of Encashment

Data file: admindata

Overview

Valid: 4803630
 Type: Continuous Range: - Format: Numeric

MAO_SAMPLED: Sampled for MAO survey

Data file: admindata

Overview

Valid: 4348248 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

MAO_SURVEYED: Completed MAO survey

Data file: admindata

Overview

Valid: 4348248 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

ADMIN_ENCASH_ONTIME: Encashed on time

Data file: admindata

Overview

Valid: 5797429 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

ENCASH_DAYS_REPORT: Days to encashment for report

Data file: admindata

Overview

Valid: 5797428 Minimum: 0.0 Maximum: 139.0
 Type: Continuous Width: 9 Range: - Format: Numeric

REPORT: Report dummy

Data file: admindata

Overview

Valid: 5797429 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

LANDSIZE_Q25: Land size bins (2.5% each)

Data file: admindata

Overview

Valid: 5797400 Minimum: 0.02500000037252903 Maximum: 1.0
 Type: Continuous Width: 9 Range: - Format: Numeric

TREATMENT: Treatment**Data file:** balancetests1**Overview**

Valid: 548 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

NUM_FARMERS: Farmers per MAO**Data file:** balancetests1**Overview**

Valid: 548 Minimum: 8.0 Maximum: 22311.0
 Type: Continuous Width: 9 Range: - Format: Numeric

P25_LANDSIZE: Land Size - 25th Percentile**Data file:** balancetests1**Overview**

Valid: 548 Minimum: 0.0625 Maximum: 2.259999990463257
 Type: Continuous Width: 9 Range: - Format: Numeric

P50_LANDSIZE: Median Land Size**Data file:** balancetests1**Overview**

Valid: 548 Minimum: 0.1899999976158142 Maximum: 4.019999980926514
 Type: Continuous Width: 9 Range: - Format: Numeric

P75_LANDSIZE: Land Size - 75th Percentile**Data file:** balancetests1**Overview**

Valid: 548 Minimum: 1.0299999713897705 Maximum: 6.090000152587891
 Type: Continuous Width: 9 Range: - Format: Numeric

LANDSIZE: Land Ownership (acres)**Data file:** balancetests1**Overview**

Valid: 548 Minimum: 0.8494561314582825 Maximum: 4.550474166870117

Type: Continuous Width: 9 Range: - Format: Numeric

HASMOBILE: Registered Mobile Numbers**Data file:** balancetests1**Overview**

Valid: 548 Minimum: 0.021373767405748367 Maximum: 1.0

Type: Continuous Width: 9 Range: - Format: Numeric

MAO_ID1: MAO identifier**Data file:** balancetests1**Overview**

Valid: 548 Minimum: 1.0 Maximum: 548.0

Type: Continuous Width: 9 Range: - Format: Numeric

STRATA1: Strata identifier**Data file:** balancetests1**Overview**

Valid: 548 Minimum: 1.0 Maximum: 362.0

Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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TREATMENT: Treatment**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

TOT_POP: Mandal population**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 15.0 Maximum: 412500.0
 Type: Continuous Width: 10 Range: - Format: Numeric

PADDY: Share of villages with paddy as main crop**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 0.0 Maximum: 1.0
 Type: Continuous Width: 9 Range: - Format: Numeric

POWER_ALL: Share of electrified villages**Data file:** balancetests2**Overview**

Valid: 537 Minimum: 0.0 Maximum: 1.0
 Type: Continuous Width: 10 Range: - Format: Numeric

DIST_HYD: Average village distance from Hyderabad**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 10.964034080505371 Maximum: 284.6852722167969
 Type: Continuous Width: 9 Range: - Format: Numeric

IRR_AREA: Share of irrigated land**Data file:** balancetests2**Overview**

Valid: 536 Minimum: 0.0 Maximum: 3.3174967765808105
 Type: Continuous Width: 9 Range: - Format: Numeric

FEMALE_POP: Share of female population**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 0.4577842950820923 Maximum: 0.5340319275856018
 Type: Continuous Width: 9 Range: - Format: Numeric

SC_POP: Share of SC population**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 0.0 Maximum: 0.3753848969936371
 Type: Continuous Width: 9 Range: - Format: Numeric

ST_POP: Share of ST population**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 0.0 Maximum: 0.8956208825111389
 Type: Continuous Width: 9 Range: - Format: Numeric

LITERACY: Literacy rate in mandal**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 0.1818181872367859 Maximum: 0.8441596627235413
 Type: Continuous Width: 9 Range: - Format: Numeric

WORK_POP: Share of working population**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 0.30604344606399536 Maximum: 0.6591941118240356
 Type: Continuous Width: 9 Range: - Format: Numeric

MAO_ID2: MAO identifier**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 1.0 Maximum: 548.0
 Type: Continuous Width: 9 Range: - Format: Numeric

STRATA2: Strata identifier**Data file:** balancetests2**Overview**

Valid: 548 Minimum: 1.0 Maximum: 408.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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TREATMENT: Treatment**Data file:** balancetests3**Overview**

Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

RAINFALL: Average rainfall in mandal 2013-17 (mm)**Data file:** balancetests3**Overview**Valid: 546 Minimum: 277.239990234375 Maximum: 1380.3199462890625
Type: Continuous Width: 9 Range: - Format: Numeric**NEAREST_BANK: Average distance to nearest bank****Data file:** balancetests3**Overview**Valid: 548 Minimum: 0.0 Maximum: 20.0
Type: Continuous Width: 9 Range: - Format: Numeric**ATM_DIST_CONT: Average distance to nearest ATM****Data file:** balancetests3**Overview**Valid: 548 Minimum: 0.0 Maximum: 20.0
Type: Continuous Width: 9 Range: - Format: Numeric**PUCCA_ROAD: Share of villages with all-weather road****Data file:** balancetests3**Overview**Valid: 537 Minimum: 0.0 Maximum: 1.0
Type: Continuous Width: 10 Range: - Format: Numeric

HSHARE_BANKING: Share of HHs using banking services**Data file:** balancetests3**Overview**

Valid: 548 Minimum: 0.0 Maximum: 0.8160771131515503
 Type: Continuous Width: 9 Range: - Format: Numeric

HSHARE_MOBILE: Share of HHs owning mobile phones**Data file:** balancetests3**Overview**

Valid: 548 Minimum: 0.0 Maximum: 0.7671767473220825
 Type: Continuous Width: 9 Range: - Format: Numeric

ALLBANKS_TOTAL: Number of banks in mandal**Data file:** balancetests3**Overview**

Valid: 548 Minimum: 0.0 Maximum: 55.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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MAO_ID3: MAO identifier

Data file: balancetests3

Overview

Valid: 548 Minimum: 1.0 Maximum: 548.0
 Type: Continuous Width: 9 Range: - Format: Numeric

STRATA3: Strata identifier

Data file: balancetests3

Overview

Valid: 548 Minimum: 1.0 Maximum: 448.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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TREATMENT: Treatment**Data file: balancetests4****Overview**

Valid: 548 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

MAO_AGE: Age of MAO**Data file: balancetests4****Overview**

Valid: 495 Minimum: 24.0 Maximum: 58.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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MAO_GENDER: Gender of MAO (Female = 1)

Data file: balancetests4

Overview

Valid: 495 Minimum: 0.0 Maximum: 1.0

Type: Continuous Width: 10 Range: - Format: Numeric

NUM_SAMPLES_17: Number of SHC samples (2017)

Data file: balancetests4

Overview

Valid: 524 Minimum: 0.0 Maximum: 4128.0

Type: Continuous Width: 10 Range: - Format: Numeric

SHC_FARMERS_17: No. of farmers covered by SHCs (2017)

Data file: balancetests4

Overview

Valid: 524 Minimum: 0.0 Maximum: 15584.0

Type: Continuous Width: 10 Range: - Format: Numeric

TESTS_ENTERED_17: SHC tests conducted (2017)

Data file: balancetests4

Overview

Valid: 524 Minimum: 0.0 Maximum: 4094.0
 Type: Continuous Width: 10 Range: - Format: Numeric

SHC_AVAILABLE_17: SHCs available on portal (2017)

Data file: balancetests4

Overview

Valid: 524 Minimum: 0.0 Maximum: 15325.0
 Type: Continuous Width: 10 Range: - Format: Numeric

NUM_SAMPLES_16: Number of SHC samples (2016)

Data file: balancetests4

Overview

Valid: 523 Minimum: 0.0 Maximum: 6400.0
 Type: Continuous Width: 10 Range: - Format: Numeric

SHC_FARMERS_16: No. of farmers covered by SHCs (2016)

Data file: balancetests4

Overview

Valid: 524 Minimum: 0.0 Maximum: 22282.0
 Type: Continuous Width: 10 Range: - Format: Numeric

TESTS_ENTERED_16: SHC tests conducted (2016)

Data file: balancetests4

Overview

Valid: 524 Minimum: 0.0 Maximum: 4559.0
 Type: Continuous Width: 10 Range: - Format: Numeric

SHC_AVAILABLE_16: SHCs available on portal (2016)

Data file: balancetests4

Overview

Valid: 524 Minimum: 0.0 Maximum: 18354.0
 Type: Continuous Width: 10 Range: - Format: Numeric

MAO_ID4: MAO identifier**Data file: balancetests4****Overview**

Valid: 548 Minimum: 1.0 Maximum: 548.0
 Type: Continuous Width: 9 Range: - Format: Numeric

STRATA4: Strata identifier**Data file: balancetests4****Overview**

Valid: 548 Minimum: 1.0 Maximum: 400.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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TREATMENT: Treatment dummy

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

VALUE_21314: (sum) value_21314

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 20927560.029296875
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21315: (sum) value_21315

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 13284760.01171875
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21316: (sum) value_21316

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 434548.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21317: (sum) value_21317

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 744500.0009765625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21318: (sum) value_21318

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 17782824.020507812
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21319: (sum) value_21319

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 19247601.612304688
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21320: (sum) value_21320

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 20603282.01123047
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21321: (sum) value_21321

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 43260630.416503906
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21322: (sum) value_21322

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 18324232.01953125
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21323: (sum) value_21323

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 17096164.028320312
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21324: (sum) value_21324

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1521668.0024414062
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21325: (sum) value_21325

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 17495480.020507812
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21326: (sum) value_21326

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 15889080.016601562
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21327: (sum) value_21327

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 16656960.016601562
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21328: (sum) value_21328

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 15193381.991210938
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21329: (sum) value_21329

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 13484640.01171875
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21330: (sum) value_21330

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1590409.6030273438
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21331: (sum) value_21331

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1235459.2021484375
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21332: (sum) value_21332

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 12573527.913085938
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21333: (sum) value_21333

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 11193880.004882812
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21334: (sum) value_21334

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 6142270.0048828125
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21335: (sum) value_21335

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 6407809.601074219
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21336: (sum) value_21336

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 12246639.997070312
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21337: (sum) value_21337

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 9111040.008789062
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21338: (sum) value_21338

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 125880.0
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21339: (sum) value_21339

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 11286880.008789062
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21340: (sum) value_21340

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 14991704.004882812
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21341: (sum) value_21341**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 7878400.0048828125

Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21342: (sum) value_21342**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 6958640.0068359375

Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21344: (sum) value_21344**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 40200.0

Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21345: (sum) value_21345**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 314310.0

Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 200 | |
| 320 | |
| 560 | |
| 800 | |
| 1040 | |
| 1200 | |
| 1520 | |

| | |
|--------|--|
| 4240 | |
| 4360 | |
| 4600 | |
| 4840 | |
| 5280 | |
| 6640 | |
| 8000 | |
| 8080 | |
| 8720 | |
| 8800 | |
| 9000 | |
| 9400 | |
| 12000 | |
| 12400 | |
| 12500 | |
| 12600 | |
| 13080 | |
| 14400 | |
| 16000 | |
| 16330 | |
| 16520 | |
| 17160 | |
| 17520 | |
| 20040 | |
| 20140 | |
| 20160 | |
| 20280 | |
| 20480 | |
| 20530 | |
| 24640 | |
| 28360 | |
| 28840 | |
| 33480 | |
| 33640 | |
| 34300 | |
| 48280 | |
| 53520 | |
| 143720 | |
| 186720 | |

| | |
|--------|--|
| 216440 | |
| 314310 | |

VALUE_21346: (sum) value_21346**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 10426304.014648438
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21347: (sum) value_21347**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 4854320.0078125
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21348: (sum) value_21348**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 4523271.999267578
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21349: (sum) value_21349**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 4189140.0095214844
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21350: (sum) value_21350**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 4193822.0034179688
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21351: (sum) value_21351**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 13320.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 13320 | |

VALUE_21352: (sum) value_21352**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 140390.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21343: (sum) value_21343**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 6364984.022705078
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21353: (sum) value_21353**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 3189523.998046875
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21354: (sum) value_21354**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 4075980.005859375
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21355: (sum) value_21355

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 3798720.0
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21356: (sum) value_21356

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 2645130.0014648438
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21357: (sum) value_21357

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 3298680.001953125
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21358: (sum) value_21358

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 110640.0
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21359: (sum) value_21359

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 98560.0
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21360: (sum) value_21360

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 3112342.0036621094
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21361: (sum) value_21361

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 3830100.0009765625
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21362: (sum) value_21362

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 2509660.0009765625
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21363: (sum) value_21363

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1976739.9931640625
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21364: (sum) value_21364

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 2398660.0
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21365: (sum) value_21365

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1373959.9970703125
Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21366: (sum) value_21366

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 453620.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|--------|----------|
| 620 | |
| 800 | |
| 1200 | |
| 1560 | |
| 4000 | |
| 5270 | |
| 5440 | |
| 8560 | |
| 8600 | |
| 9280 | |
| 11480 | |
| 21480 | |
| 453620 | |

VALUE_21367: (sum) value_21367

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 2559560.0009765625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21368: (sum) value_21368

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1888360.0947265625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21369: (sum) value_21369

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 5281615.199951172
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21370: (sum) value_21370

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1637399.974609375
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21371: (sum) value_21371

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1269000.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21372: (sum) value_21372

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1397280.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21373: (sum) value_21373

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 40760.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 560 | |
| 1200 | |
| 2280 | |
| 2400 | |

| | |
|-------|--|
| 4000 | |
| 4720 | |
| 5040 | |
| 8480 | |
| 8880 | |
| 12120 | |
| 16960 | |
| 17200 | |
| 21480 | |
| 28000 | |
| 28920 | |
| 29440 | |
| 40760 | |

VALUE_21374: (sum) value_21374**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 1224960.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21375: (sum) value_21375**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 2946680.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21376: (sum) value_21376**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 2061080.0078125
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21377: (sum) value_21377**Data file: costeffectiveness**

Overview

Valid: 546 Minimum: 0.0 Maximum: 2539969.9775390625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21378: (sum) value_21378

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 2378060.001953125
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21379: (sum) value_21379

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 84700.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 320 | |
| 840 | |
| 1520 | |
| 5840 | |
| 13040 | |
| 22040 | |
| 29320 | |
| 84700 | |

VALUE_21380: (sum) value_21380

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 37680.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 680 | |
| 800 | |
| 8000 | |
| 8280 | |
| 9200 | |
| 9440 | |
| 9560 | |
| 16940 | |
| 21240 | |
| 32800 | |
| 37680 | |

VALUE_21381: (sum) value_21381

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 2089670.0043945312
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21382: (sum) value_21382

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1866799.9990234375
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21383: (sum) value_21383

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 2249484.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21384: (sum) value_21384

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1464894.0034179688

Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21385: (sum) value_21385

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1117590.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21386: (sum) value_21386

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 847080.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21387: (sum) value_21387

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 4000.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 740 | |
| 1000 | |
| 1200 | |
| 1440 | |
| 4000 | |

VALUE_21388: (sum) value_21388

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1475320.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21389: (sum) value_21389

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 3430760.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21390: (sum) value_21390

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1747822.00390625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21391: (sum) value_21391

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1196490.0004882812
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21392: (sum) value_21392

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1282800.0024414062
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21393: (sum) value_21393

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 12720.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1280 | |
| 2640 | |

12720

VALUE_21394: (sum) value_21394**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 25560.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21395: (sum) value_21395**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 2509830.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21396: (sum) value_21396**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 1949090.00390625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21397: (sum) value_21397**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 576500.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21398: (sum) value_21398**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 370480.0009765625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21399: (sum) value_21399**Data file: costeffectiveness**

Overview

Valid: 546 Minimum: 0.0 Maximum: 2511260.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21400: (sum) value_21400

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 415680.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21401: (sum) value_21401

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 940.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 940 | |

VALUE_21402: (sum) value_21402

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 3273680.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21403: (sum) value_21403

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 901200.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21404: (sum) value_21404**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 714512.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21405: (sum) value_21405**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 807120.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21406: (sum) value_21406**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 327820.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21407: (sum) value_21407**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 20400.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 20400 | |

VALUE_21408: (sum) value_21408**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 4680.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 4680 | |

VALUE_21409: (sum) value_21409

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 970330.0009765625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21410: (sum) value_21410

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 529920.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21412: (sum) value_21412

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 203600.001953125
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21413: (sum) value_21413

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 105160.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21414: (sum) value_21414

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 241040.0009765625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21415: (sum) value_21415**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 4240.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 4240 | |

VALUE_21416: (sum) value_21416**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 671200.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21417: (sum) value_21417**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 397080.0009765625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21419: (sum) value_21419**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 450160.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21420: (sum) value_21420**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 676080.0

Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21421: (sum) value_21421

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 400.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 400 | |

VALUE_21423: (sum) value_21423

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 757710.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21424: (sum) value_21424

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1010285.201171875
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21425: (sum) value_21425

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 805880.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21426: (sum) value_21426

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1945580.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21427: (sum) value_21427

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 810664.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21428: (sum) value_21428

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 2415280.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21430: (sum) value_21430

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 24560.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 160 | |
| 720 | |
| 1120 | |
| 1360 | |
| 4000 | |
| 4800 | |
| 8000 | |
| 8440 | |
| 8800 | |
| 9440 | |
| 9480 | |

| | |
|-------|--|
| 12360 | |
| 16320 | |
| 16600 | |
| 18400 | |
| 20000 | |
| 24560 | |

VALUE_21431: (sum) value_21431**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 857120.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21432: (sum) value_21432**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 832320.0009765625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21433: (sum) value_21433**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 1062770.0009765625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21434: (sum) value_21434**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 1524290.0095214844
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21435: (sum) value_21435**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 8080.0

Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 4100 | |
| 4800 | |
| 5480 | |
| 8080 | |

VALUE_21436: (sum) value_21436**Data file:** costeffectiveness**Overview**

Valid: 546 Minimum: 0.0 Maximum: 950.0

Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 950 | |

VALUE_21437: (sum) value_21437**Data file:** costeffectiveness**Overview**

Valid: 546 Minimum: 0.0 Maximum: 553720.40234375

Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21438: (sum) value_21438**Data file:** costeffectiveness**Overview**

Valid: 546 Minimum: 0.0 Maximum: 1488280.0009765625

Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21439: (sum) value_21439

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 828388.0083007812
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21440: (sum) value_21440

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 64320.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21441: (sum) value_21441

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 1131960.0009765625
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21442: (sum) value_21442

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 329440.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21443: (sum) value_21443

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 4800.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 4000 | |
| 4800 | |

VALUE_21444: (sum) value_21444**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 1375760.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21445: (sum) value_21445**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 663040.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21446: (sum) value_21446**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 325200.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21447: (sum) value_21447**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 661680.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21448: (sum) value_21448**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 47000.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 500 | |

| | |
|-------|--|
| 920 | |
| 1200 | |
| 1520 | |
| 4000 | |
| 4360 | |
| 4970 | |
| 5360 | |
| 8000 | |
| 8480 | |
| 8920 | |
| 12120 | |
| 12600 | |
| 47000 | |

VALUE_21449: (sum) value_21449**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 50840.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 420 | |
| 50840 | |

VALUE_21451: (sum) value_21451**Data file: costeffectiveness****Overview**

Valid: 546 Minimum: 0.0 Maximum: 242520.0
 Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21452: (sum) value_21452**Data file: costeffectiveness**

Overview

Valid: 546 Minimum: 0.0 Maximum: 116300.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|--------|----------|
| 150 | |
| 240 | |
| 360 | |
| 480 | |
| 512 | |
| 540 | |
| 880 | |
| 920 | |
| 960 | |
| 1120 | |
| 1280 | |
| 1520 | |
| 2550 | |
| 2680 | |
| 4680 | |
| 4920 | |
| 5080 | |
| 5140 | |
| 5980 | |
| 8640 | |
| 12720 | |
| 13920 | |
| 16320 | |
| 24160 | |
| 25200 | |
| 37740 | |
| 42450 | |
| 44440 | |
| 47920 | |
| 69280 | |
| 116300 | |

VALUE_21453: (sum) value_21453

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 0.0 Maximum: 5143540.008300781

Type: Continuous Width: 9 Range: - Format: Numeric

VALUE_21454: (sum) value_21454

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 5280.0 Maximum: 62915589.21787262

Type: Continuous Width: 9 Range: - Format: Numeric

LAND_SUM: Total land size owned by farmers in the treatment and control mandals

Data file: costeffectiveness

Overview

Valid: 546 Minimum: 3160484.25 Maximum: 10421131.0

Type: Continuous Width: 9 Range: - Format: Numeric

LANDSIZE: Farmer land size (in acres)

Data file: landsizevector

Overview

Type: Continuous Width: 9 Range: - Format: Numeric

A6_CHQ_WHERE_Y: Received at Gram Sabha**Data file:** phonedata**Overview**

Valid: 19890 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

A8_BRIBE_Y: Asked to Pay Bribe**Data file:** phonedata**Overview**

Valid: 19830 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

TREATMENT: Treatment**Data file:** phonedata**Overview**

Valid: 22565 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

B7_SATISFIED_Y: Satisfied with Scheme**Data file:** phonedata**Overview**

Valid: 22329 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

MAO_ID: MAO ID**Data file:** phonedata**Overview**

Valid: 22565 Minimum: 1.0 Maximum: 992809.0
 Type: Continuous Width: 36 Range: - Format: Numeric

STRATA: Strata ID**Data file:** phonedata**Overview**

Valid: 22527 Minimum: 1.0 Maximum: 54.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

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WEIGHT: Inverse sampling probability

Data file: phonedata

Overview

Valid: 22565 Minimum: 1.0 Maximum: 166.6666717529297
 Type: Continuous Width: 9 Range: - Format: Numeric

STRATA: Strata ID**Data file: miscdata****Overview**

Valid: 564 Minimum: 1.0 Maximum: 55.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

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MAO_ID: MAO ID

Data file: miscdata

Overview

Valid: 564 Minimum: 1.0 Maximum: 515.0
 Type: Continuous Width: 9 Range: - Format: Numeric

DIST_UID: District ID

Data file: miscdata

Overview

Valid: 564 Minimum: 1.0 Maximum: 30.0
 Type: Discrete Width: 10 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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TREATMENT: Treatment

Data file: miscdata

Overview

Valid: 548 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

NUM_SAMPLES_18: Number of SHC samples

Data file: miscdata

Overview

Valid: 514 Minimum: 0.0 Maximum: 3528.0
 Type: Continuous Width: 10 Range: - Format: Numeric

SHC_FARMERS_18: No. of farmers covered by SHCs

Data file: miscdata

Overview

Valid: 514 Minimum: 0.0 Maximum: 12985.0
 Type: Continuous Width: 10 Range: - Format: Numeric

TESTS_ENTERED_18: SHC tests conducted

Data file: miscdata

Overview

Valid: 514 Minimum: 0.0 Maximum: 2697.0
 Type: Continuous Width: 10 Range: - Format: Numeric

SHC_AVAILABLE_18: SHCs available on portal

Data file: miscdata

Overview

Valid: 514 Minimum: 0.0 Maximum: 12735.0
 Type: Continuous Width: 10 Range: - Format: Numeric

ADMIN_ENCASH: Dummy for check encashment, based on administrative bank records of check encashment

Data file: miscdata

Overview

Valid: 563 Minimum: 0.0 Maximum: 0.9861330389976501
 Type: Continuous Width: 9 Range: - Format: Numeric

ADMIN_DIST: Dummy variable for whether the MAO reported distributing the check, based on MAO database

Data file: miscdata

Overview

Valid: 563 Minimum: 0.0 Maximum: 1.0
 Type: Continuous Width: 9 Range: - Format: Numeric

TRT_ADA: Number of treatment mandals in the revenue division

Data file: miscdata

Overview

Valid: 531 Minimum: 0.0 Maximum: 4.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |
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MANDALS_ADA: Number of mandals in the revenue division

Data file: miscdata

Overview

Valid: 531 Minimum: 1.0 Maximum: 17.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

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ADA_CODE: Code for the revenue division

Data file: miscdata

Overview

Valid: 531 Minimum: 1.0 Maximum: 107.0
 Type: Continuous Width: 9 Range: - Format: Numeric

RAND: Generated ID variable

Data file: miscdata

Overview

Valid: 564 Minimum: 0.00028227921575307846 Maximum: 0.9992638826370239
 Type: Continuous Width: 9 Range: - Format: Numeric

MANDAL_ID: Generated ID variable

Data file: miscdata

Overview

Valid: 564
 Type: Continuous Width: 9 Range: - Format: character

DIST_MANDAL_UID: Mandal identifier

Data file: miscdata

Overview

Valid: 564
 Type: Continuous Width: 9 Range: - Format: character

DIST_ID: Generated ID variable**Data file:** mcdata**Overview**

Valid: 5733053

Type: Continuous Width: 9 Range: - Format: character

DIST_MANDAL_UID: Mandal ID**Data file:** mcdata**Overview**

Valid: 5733053

Type: Continuous Width: 9 Range: - Format: character

DIST_MANDAL_UID_MC: Generated ID variable**Data file:** mcdata**Overview**

Valid: 5733053

Type: Continuous Width: 9 Range: - Format: character

VILLAGE_UID: Village ID**Data file:** mcdata**Overview**

Valid: 5733053

Type: Continuous Width: 9 Range: - Format: character

FARMER_UID: Farmer ID**Data file:** mcdata**Overview**

Valid: 5733053

Type: Continuous Width: 12 Range: - Format: character

MAO_ID: MAO ID**Data file:** mcdata**Overview**

Valid: 5733053 Minimum: 1.0 Maximum: 992809.0

Type: Continuous Width: 36 Range: - Format: Numeric

DIST_UID: District ID**Data file: mcddata****Overview**

Valid: 5733053 Minimum: 1.0 Maximum: 30.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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VILLAGE_UID_MC: Generated ID variable

Data file: mcdata

Overview

Valid: 5733053

Type: Continuous Width: 9 Range: - Format: character

FARMER_POP: Farmer population in treatment mandals

Data file: mcdata

Overview

Valid: 1312199 Minimum: 1.0 Maximum: 4069.0

Type: Continuous Width: 8 Range: - Format: Numeric

NUM_OF_VILLAGES: Number of villages in treatment mandals

Data file: mcdata

Overview

Valid: 1312199 Minimum: 1.0 Maximum: 70.0

Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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| 59 | |
| 70 | |

TREATMENT: Treatment

Data file: mcdata

Overview

Valid: 5612104 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 8 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

STRATA: Strata ID**Data file: mcddata****Overview**

Valid: 5621909 Minimum: 1.0 Maximum: 54.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
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ADJ_ENCASH: Encashment dummy (adjusted for call date)

Data file: mcdata

Overview

Valid: 5733053 Minimum: 0.0 Maximum: 1.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |

LAND_V_Q: Village level land size quintiles**Data file:** mcdata**Overview**

Valid: 1312199 Minimum: 1.0 Maximum: 5.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |
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| 4 | |
| 5 | |

LAND_M_Q: Mandal level land size quintiles**Data file:** mcdata**Overview**

Valid: 4299877 Minimum: 1.0 Maximum: 5.0
 Type: Discrete Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category |
|-------|----------|
| 1 | |
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Documentation

Reports

Improving Last- Mile Service Delivery Using Phone- Based Monitoring

| | |
|-------------------|--|
| Title | Improving Last- Mile Service Delivery Using Phone- Based Monitoring |
| Author(s) | Karthik Muralidharan, Paul Niehaus, Sandip Sukhtankar, and Jeffrey Weaver |
| Country | India |
| Publisher(s) | American Economic Journal: Applied Economics |
| Abstract | Improving “last-mile” public service delivery is a recurring challenge in developing countries. Could the widespread adoption of mobile phones provide a scalable, cost-effective means for improvement? We use a large-scale experiment to evaluate the impact of phone-based monitoring on a program that transferred nearly a billion dollars to 5.7 million Indian farmers. In randomly selected jurisdictions, officials were informed that program implementation would be measured via calls with beneficiaries. This led to a 7.8 percent reduction in the number of farmers who did not receive their transfers. The program was highly cost-effective, costing 3.6 cents for each additional dollar delivered. |
| Table of contents | I. Setting and Intervention II. Research Methods III. Results IV. Conclusion |
| Filename | muralidharan-et-al-2021-improving-last-mile-service-delivery-using-phone-based-monitoring.pdf |

Technical documents

Stata Do Files for Replication

| | |
|-------------|--|
| Title | Stata Do Files for Replication |
| Country | India |
| Description | Folder contains 19 Stata do files that can be used to replicate all analysis-based tables and figures in the published version of “Improving Last-Mile Service Delivery using Phone-Based Monitoring.” |
| Filename | Stata do files for replication.zip |

Replication Manual: “Improving Last-Mile Service Delivery using Phone-Based Monitoring”

| | |
|-------------------|--|
| Title | Replication Manual: “Improving Last-Mile Service Delivery using Phone-Based Monitoring” |
| Country | India |
| Description | The replication archive contains a directory with 3 sub-directories, a master analysis file, and this Readme document. This manual describes in detail how one can replicate all analysis-based tables and figures in the published version of “Improving Last-Mile Service Delivery using Phone-Based Monitoring.” |
| Description | Notes on the readme file: 1) For labels and descriptions of the variables in the BalanceTests4.dta dataset, refer to BalanceTests3.dta in the readme file. The variables appear there. 2) The rand and mandal_id variables in the miscdata.dta dataset and the dist_id, dist_mandal_uid_MC, and village_uid_MC variables in the mcdata.dta dataset are generated ID variables. |
| Table of contents | 1. Overview 2. Data 3. Code 4. Detailed list of content |
| Filename | readme.pdf |
