Bangladesh - Handbook on Impact Evaluation: Quantitative Methods and Practices - Exercises 2009

S. Khandker, G. Koolwal and H. Samad - World Bank

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File Description

Variable List

hh_91

Content

Cases 826 Variable(s) 24

Structure Type: relational Keys: nh(HH ID)

Version
Producer
Missing Data

Variables

ID	Name	Label	Туре	Format	Question
V1	nh	HH ID	contin	numeric	
V2	year	Year of observation	discrete	numeric	
V3	villid	Village ID	discrete	numeric	
V4	thanaid	Thana ID	discrete	numeric	
V5	agehead	Age of HH head: years	contin	numeric	
V6	sexhead	Gender of HH head: 1=M, 0=F	discrete	numeric	
V7	educhead	Education of HH head: years	contin	numeric	
V8	famsize	HH size	contin	numeric	
V9	hhland	HH land asset: decimals	contin	numeric	
V10	hhasset	HH total asset: Tk.	contin	numeric	
V11	expfd	HH per capita food expenditure: Tk/year	contin	numeric	
V12	expnfd	HH per capita nonfood expenditure: Tk/year	contin	numeric	
V13	exptot	HH per capita total expenditure: Tk/year	contin	numeric	
V14	dmmfd	HH has male microcredit participant: 1=Y, 0=N	discrete	numeric	
V15	dfmfd	HH has female microcredit participant: 1=Y, 0=N	discrete	numeric	
V16	weight	HH sampling weight	contin	numeric	
V17	vaccess	Village is accessible by road all year: 1=Y, 0=N	discrete	numeric	
V18	pcirr	Proportion of village land irrigated	contin	numeric	
V19	rice	Village price of rice: Tk./kg	contin	numeric	
V20	wheat	Village price of wheat: Tk./kg	contin	numeric	
V21	milk	Village price of milk: Tk./liter	contin	numeric	
V22	potato	Village price of potato: Tk./kg	contin	numeric	
V23	egg	Village price of egg: Tk./4 counts	contin	numeric	
V24	oil	Village price of edible oil: Tk./kg	contin	numeric	

hh_98

Content

Cases 1129 Variable(s) 24

Structure Type: relational Keys: nh(HH ID)

Version
Producer
Missing Data

Variables

ID	Name	Label	Туре	Format	Question
V25	nh	HH ID	contin	numeric	
V26	year	Year of observation	discrete	numeric	
V27	villid	Village ID	discrete	numeric	
V28	thanaid	Thana ID	discrete	numeric	
V29	agehead	Age of HH head: years	contin	numeric	
V30	sexhead	Gender of HH head: 1=M, 0=F	discrete	numeric	
V31	educhead	Education of HH head: years	contin	numeric	
V32	famsize	HH size	contin	numeric	
V33	hhland	HH land: decimals	contin	numeric	
V34	hhasset	HH total asset: Tk.	contin	numeric	
V35	expfd	HH per capita food expenditure: Tk/year	contin	numeric	
V36	expnfd	HH per capita nonfood expenditure: Tk/year	contin	numeric	
V37	exptot	HH per capita total expenditure: Tk/year	contin	numeric	
V38	dmmfd	HH has male microcredit participant: 1=Y, 0=N	discrete	numeric	
V39	dfmfd	HH has female microcredit participant: 1=Y, 0=N	discrete	numeric	
V40	weight	HH sampling weight	contin	numeric	
V41	vaccess	Village is accessible by road all year: 1=Y, 0=N	discrete	numeric	
V42	pcirr	Proportion of village land irrigated	contin	numeric	
V43	rice	Village price of rice: Tk./kg	contin	numeric	
V44	wheat	Village price of wheat: Tk./kg	contin	numeric	
V45	milk	Village price of milk: Tk./liter	contin	numeric	
V46	potato	Village price of potato: Tk./kg	contin	numeric	
V47	egg	Village price of egg: Tk./4 counts	contin	numeric	
V48	oil	Village price of edible oil: Tk./kg	contin	numeric	

hh_9198

Content

Cases 1652 Variable(s) 24

Structure Type: relational

Keys: nh(HH ID), year(Year of observation: 0=1991, 1=1998)

Version
Producer
Missing Data

Variables

ID	Name	Label	Туре	Format	Question
V49	nh	HH ID	contin	numeric	
V50	year	Year of observation: 0=1991, 1=1998	discrete	numeric	
V51	villid	Village ID	discrete	numeric	
V52	thanaid	Thana ID	discrete	numeric	
V53	agehead	Age of HH head: years	contin	numeric	
V54	sexhead	Gender of HH head: 1=M, 0=F	discrete	numeric	
V55	educhead	Education of HH head: years	contin	numeric	
V56	famsize	HH size	contin	numeric	
V57	hhland	HH land: decimals	contin	numeric	
V58	hhasset	HH total asset: Tk.	contin	numeric	
V59	expfd	HH per capita food expenditure: Tk/year	contin	numeric	
V60	expnfd	HH per capita nonfood expenditure: Tk/year	contin	numeric	
V61	exptot	HH per capita total expenditure: Tk/year	contin	numeric	
V62	dmmfd	HH has male microcredit participant: 1=Y, 0=N	discrete	numeric	
V63	dfmfd	HH has female microcredit participant: 1=Y, 0=N	discrete	numeric	
V64	weight	HH sampling weight	contin	numeric	
V65	vaccess	Village is accessible by road all year: 1=Y, 0=N	discrete	numeric	
V66	pcirr	Proportion of village land irrigated	contin	numeric	
V67	rice	Village price of rice: Tk./kg	contin	numeric	
V68	wheat	Village price of wheat: Tk./kg	contin	numeric	
V69	milk	Village price of milk: Tk./liter	contin	numeric	
V70	potato	Village price of potato: Tk./kg	contin	numeric	
V71	egg	Village price of egg: Tk./4 counts	contin	numeric	
V72	oil	Village price of edible oil: Tk./kg	contin	numeric	

HH ID (nh) File: hh_91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0

Range: 11054-293154

Valid cases: 826 Invalid: 0 Minimum: 11054

Minimum: 11054 Maximum: 293154 Mean: 153219.6

Standard deviation: 81569

Year of observation (year)

File: hh_91

Overview

Type: Discrete Format: numeric Width: 9 Decimals: 0 Range: 0-0 Valid cases: 826 Invalid: 0

Village ID (villid)

File: hh 91

Overview

Type: Discrete Format: numeric Width: 1 Decimals: 0 Range: 1-3 Valid cases: 826 Invalid: 0

Thana ID (thanaid)

File: hh_91

Overview

Type: Discrete Format: numeric Width: 2 Decimals: 0 Range: 1-29 Valid cases: 826 Invalid: 0

Age of HH head: years (agehead)

File: hh 91

Overview

Type: Continuous Format: numeric Width: 3 Decimals: 0 Range: 18-75 Valid cases: 826 Invalid: 0 Minimum: 18 Maximum: 75 Mean: 40.8

Standard deviation: 12

Gender of HH head: 1=M, 0=F (sexhead) File: hh 91

Overview

Type: Discrete Format: numeric Width: 2 Decimals: 0 Range: 0-1 Valid cases: 826 Invalid: 0

Education of HH head: years (educhead) File: hh 91

Overview

Type: Continuous Format: numeric Width: 2 Decimals: 0 Range: 0-16 Valid cases: 826 Invalid: 0 Minimum: 0 Maximum: 16 Mean: 2.4

Standard deviation: 3.3

HH size (famsize)

File: hh 91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0 Range: 1-19 Valid cases: 826 Invalid: 0 Minimum: 1 Maximum: 19 Mean: 5.5

Standard deviation: 2.4

HH land asset: decimals (hhland)

File: hh 91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0

Range: 0.200000002980232-4618

Valid cases: 826 Invalid: 0 Minimum: 0.2 Maximum: 4618 Mean: 81

Standard deviation: 246.8

HH total asset: Tk. (hhasset)

File: hh 91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0 Range: 1-3485200 Valid cases: 826 Invalid: 0 Minimum: 1 Maximum: 3485200 Mean: 90005.1

Standard deviation: 212470.5

HH per capita food expenditure: Tk/year (expfd) File: hh 91

Overview

 Type: Continuous
 Valid cases: 826

 Format: numeric
 Invalid: 0

 Width: 9
 Minimum: 1242

 Decimals: 0
 Maximum: 7067.2

 Range: 1241.98327636719-7067.17431640625
 Mean: 3131.8

Standard deviation: 889.6

HH per capita nonfood expenditure: Tk/year (expnfd) File: hh 91

Overview

 Type: Continuous
 Valid cases: 826

 Format: numeric
 Invalid: 0

 Width: 9
 Minimum: 62.8

 Decimals: 0
 Maximum: 21872.8

 Range: 62.7954521179199-21872.82421875
 Mean: 1031.3

Standard deviation: 1658.8

HH per capita total expenditure: Tk/year (exptot) File: hh 91

Overview

 Type: Continuous
 Valid cases: 826

 Format: numeric
 Invalid: 0

 Width: 9
 Minimum: 1352.5

 Decimals: 0
 Maximum: 27447.7

 Range: 1352.46044921875-27447.669921875
 Mean: 4163.1

Standard deviation: 2167.9

HH has male microcredit participant: 1=Y, 0=N (dmmfd) File: hh 91

Overview

Type: Discrete Format: numeric Width: 8 Decimals: 0 Range: 0-1 Valid cases: 826 Invalid: 0

HH has female microcredit participant: 1=Y, 0=N (dfmfd) File: hh 91

Overview

Type: Discrete Format: numeric Width: 8 Decimals: 0 Range: 0-1 Valid cases: 826 Invalid: 0

HH sampling weight (weight) File: hh 91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0

Range: 0.13142292201519-4.75

Valid cases: 826 Invalid: 0 Minimum: 0.1 Maximum: 4.8 Mean: 1

Standard deviation: 0.8

Village is accessible by road all year: 1=Y, 0=N (vaccess) File: hh 91

Overview

Type: Discrete Format: numeric Width: 9 Decimals: 0 Range: 0-1 Valid cases: 826 Invalid: 0

Proportion of village land irrigated (pcirr) File: hh 91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0

Range: 0-0.990000009536743

Valid cases: 826 Invalid: 0 Minimum: 0 Maximum: 1 Mean: 0.4

Standard deviation: 0.3

Village price of rice: Tk./kg (rice) File: hh 91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3 Range: 7-12 Valid cases: 826 Invalid: 0 Minimum: 7 Maximum: 12 Mean: 9.7

Standard deviation: 0.9

Village price of wheat: Tk./kg (wheat) File: hh 91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3 Range: 1-11 Valid cases: 826 Invalid: 0 Minimum: 1 Maximum: 11 Mean: 8.7

Standard deviation: 1.3

Village price of milk: Tk./liter (milk) File: hh 91

Overview

Type: Continuous

Format: numeric

Width: 9

Decimals: 3

Range: 1-20

Valid cases: 826

Invalid: 0

Minimum: 1

Maximum: 20

Mean: 12.2

Standard deviation: 3.2

Village price of potato: Tk./kg (potato) File: hh 91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3 Range: 7-12 Valid cases: 826 Invalid: 0 Minimum: 7 Maximum: 12 Mean: 8.6

Standard deviation: 1

Village price of egg: Tk./4 counts (egg) File: hh 91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3 Range: 1.5-3 Valid cases: 826 Invalid: 0 Minimum: 1.5 Maximum: 3 Mean: 2.3

Standard deviation: 0.4

Village price of edible oil: Tk./kg (oil) File: hh 91

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3 Range: 48-64 Valid cases: 826 Invalid: 0 Minimum: 48 Maximum: 64 Mean: 54

Standard deviation: 4.3

HH ID (nh) File: hh_98

Overview

Type: Continuous Format: numeric Width: 7 Decimals: 0

Range: 11054-323103

Valid cases: 1129 Invalid: 0 Minimum: 11054 Maximum: 323103 Mean: 169970.4

Standard deviation: 87505.8

Year of observation (year)

File: hh_98

Overview

Type: Discrete Format: numeric Width: 9 Decimals: 0 Range: 1-1 Valid cases: 1129 Invalid: 0

Village ID (villid)

File: hh 98

Overview

Type: Discrete Format: numeric Width: 9 Decimals: 0 Range: 1-4 Valid cases: 1129 Invalid: 0

Thana ID (thanaid)

File: hh_98

Overview

Type: Discrete Format: numeric Width: 9 Decimals: 0 Range: 1-32 Valid cases: 1129 Invalid: 0

Age of HH head: years (agehead)

File: hh 98

Overview

Type: Continuous Format: numeric Width: 3 Decimals: 0 Range: 18-95 Valid cases: 1129 Invalid: 0 Minimum: 18 Maximum: 95 Mean: 46

Standard deviation: 12.7

Gender of HH head: 1=M, 0=F (sexhead) File: hh 98

Overview

Type: Discrete Format: numeric Width: 2 Decimals: 0 Range: 0-1 Valid cases: 1129 Invalid: 0

Education of HH head: years (educhead) File: hh 98

Overview

Type: Continuous Format: numeric Width: 2 Decimals: 0 Range: 0-16 Valid cases: 1129 Invalid: 0 Minimum: 0 Maximum: 16 Mean: 2.3

Standard deviation: 3.5

HH size (famsize)

File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 2 Range: 1-18 Valid cases: 1129 Invalid: 0 Minimum: 1 Maximum: 18 Mean: 5.3

Standard deviation: 2.2

HH land: decimals (hhland)

File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0

Range: 0.200000002980232-4208

Valid cases: 1129 Invalid: 0 Minimum: 0.2 Maximum: 4208 Mean: 76.8

Standard deviation: 204

HH total asset: Tk. (hhasset)

File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0 Range: 1-24235540 Valid cases: 1129 Invalid: 0 Minimum: 1 Maximum: 24235540 Mean: 155576.4

Standard deviation: 849719.9

HH per capita food expenditure: Tk/year (expfd) File: hh 98

Overview

 Type: Continuous
 Valid cases: 1129

 Format: numeric
 Invalid: 0

 Width: 9
 Minimum: 945.3

 Decimals: 0
 Maximum: 15270.7

 Range: 945.324157714844-15270.6728515625
 Mean: 3660.2

Standard deviation: 1558.6

HH per capita nonfood expenditure: Tk/year (expnfd) File: hh 98

Overview

 Type: Continuous
 Valid cases: 1129

 Format: numeric
 Invalid: 0

 Width: 9
 Minimum: 89.5

 Decimals: 0
 Maximum: 43411.2

 Range: 89.5474853515625-43411.15234375
 Mean: 1813.1

Standard deviation: 3316.9

HH per capita total expenditure: Tk/year (exptot) File: hh 98

Overview

 Type: Continuous
 Valid cases: 1129

 Format: numeric
 Invalid: 0

 Width: 9
 Minimum: 1193.3

 Decimals: 0
 Maximum: 47981

 Range: 1193.32788085938-47981.0078125
 Mean: 5473.3

Standard deviation: 4140.2

HH has male microcredit participant: 1=Y, 0=N (dmmfd) File: hh 98

Overview

Type: Discrete Format: numeric Width: 8 Decimals: 0 Range: 0-1 Valid cases: 1129 Invalid: 0

HH has female microcredit participant: 1=Y, 0=N (dfmfd) File: hh 98

Overview

Type: Discrete Format: numeric Width: 8 Decimals: 0 Range: 0-1 Valid cases: 1129 Invalid: 0

HH sampling weight (weight)

File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0 Range: 0.125-5 Valid cases: 1129 Invalid: 0 Minimum: 0.1 Maximum: 5 Mean: 1

Standard deviation: 0.8

Village is accessible by road all year: 1=Y, 0=N (vaccess) File: hh 98

Overview

Type: Discrete Format: numeric Width: 9 Decimals: 0 Range: 0-1 Valid cases: 1129 Invalid: 0

Proportion of village land irrigated (pcirr) File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0

Range: 0-0.990000009536743

Valid cases: 1129 Invalid: 0 Minimum: 0 Maximum: 1 Mean: 0.6

Standard deviation: 0.3

Village price of rice: Tk./kg (rice)

File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3 Range: 6.87959623336792-15.4508962631226 Valid cases: 1129 Invalid: 0 Minimum: 6.9 Maximum: 15.5 Mean: 10.3

Standard deviation: 1.6

Village price of wheat: Tk./kg (wheat) File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3

Range: 5.41345262527466-9.47354221343994

Valid cases: 1129 Invalid: 0 Minimum: 5.4 Maximum: 9.5 Mean: 7.5

Standard deviation: 0.8

Village price of milk: Tk./liter (milk) File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3

Range: 6.76681566238403-20.3004474639893

Valid cases: 1129 Invalid: 0 Minimum: 6.8 Maximum: 20.3 Mean: 10.9

Standard deviation: 3.4

Village price of potato: Tk./kg (potato) File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3

Range: 4.65529584884644-10.4553365707397

Valid cases: 1129 Invalid: 0 Minimum: 4.7 Maximum: 10.5 Mean: 7

Standard deviation: 1.1

Village price of egg: Tk./4 counts (egg) File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3

Range: 1.35336315631866-2.70672631263733

Valid cases: 1129 Invalid: 0 Minimum: 1.4 Maximum: 2.7 Mean: 2

Standard deviation: 0.4

Village price of edible oil: Tk./kg (oil) File: hh 98

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3

Range: 23.007173538208-50.7511177062988

Valid cases: 1129 Invalid: 0 Minimum: 23 Maximum: 50.8 Mean: 39.4

Standard deviation: 4

HH ID (nh) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 7 Decimals: 0

Range: 11054-293154

Valid cases: 1652 Invalid: 0 Minimum: 11054 Maximum: 293154 Mean: 153219.6

Standard deviation: 81544.3

Year of observation: 0=1991, 1=1998 (year) File: hh 9198

Overview

Type: Discrete Format: numeric Width: 9 Decimals: 0 Range: 0-1 Valid cases: 1652 Invalid: 0

Village ID (villid) File: hh 9198

Overview

Type: Discrete Format: numeric Width: 9 Decimals: 0 Range: 1-3 Valid cases: 1652 Invalid: 0 Minimum: 1 Maximum: 3 Mean: 2

Standard deviation: 0.8

Thana ID (thanaid) File: hh 9198

Overview

Type: Discrete Format: numeric Width: 9 Decimals: 0 Range: 1-29 Valid cases: 1652 Invalid: 0 Minimum: 1 Maximum: 29 Mean: 15.1

Standard deviation: 8.2

Age of HH head: years (agehead) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 3 Decimals: 0 Range: 18-95 Valid cases: 1652 Invalid: 0 Minimum: 18 Maximum: 95 Mean: 43.4

Standard deviation: 12.7

Gender of HH head: 1=M, 0=F (sexhead) File: hh 9198

Overview

Type: Discrete Format: numeric Width: 2 Decimals: 0 Range: 0-1 Valid cases: 1652 Invalid: 0

Education of HH head: years (educhead) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 2 Decimals: 0 Range: 0-16 Valid cases: 1652 Invalid: 0 Minimum: 0 Maximum: 16 Mean: 2.3

Standard deviation: 3.4

HH size (famsize) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 2 Range: 1-19 Valid cases: 1652 Invalid: 0 Minimum: 1 Maximum: 19 Mean: 5.3

Standard deviation: 2.2

HH land: decimals (hhland)

File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0

Range: 0.200000002980232-4618

Valid cases: 1652 Invalid: 0 Minimum: 0.2 Maximum: 4618 Mean: 79.5

Standard deviation: 237.4

HH total asset: Tk. (hhasset)

File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0 Range: 1-24235540 Valid cases: 1652 Invalid: 0 Minimum: 1 Maximum: 24235540

Mean: 125535.5 Standard deviation: 710461.4

HH per capita food expenditure: Tk/year (expfd) File: hh 9198

Overview

 Type: Continuous
 Valid cases: 1652

 Format: numeric
 Invalid: 0

 Width: 9
 Minimum: 1085.9

 Decimals: 0
 Maximum: 15270.7

 Range: 1085.90466308594-15270.6728515625
 Mean: 3409.4

Standard deviation: 1326.9

HH per capita nonfood expenditure: Tk/year (expnfd) File: hh 9198

Overview

 Type: Continuous
 Valid cases: 1652

 Format: numeric
 Invalid: 0

 Width: 9
 Minimum: 62.8

 Decimals: 0
 Maximum: 43411.2

 Range: 62.7954521179199-43411.15234375
 Mean: 1449.6

Standard deviation: 2807.3

HH per capita total expenditure: Tk/year (exptot) File: hh 9198

Overview

 Type: Continuous
 Valid cases: 1652

 Format: numeric
 Invalid: 0

 Width: 9
 Minimum: 1193.3

 Decimals: 0
 Maximum: 47981

 Range: 1193.32788085938-47981.0078125
 Mean: 4859

Standard deviation: 3538.5

HH has male microcredit participant: 1=Y, 0=N (dmmfd) File: hh 9198

Overview

Type: Discrete Format: numeric Width: 8 Decimals: 0 Range: 0-1 Valid cases: 1652 Invalid: 0

HH has female microcredit participant: 1=Y, 0=N (dfmfd) File: hh 9198

Overview

Type: Discrete Format: numeric Width: 8 Decimals: 0 Range: 0-1 Valid cases: 1652 Invalid: 0

HH sampling weight (weight) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0

Range: 0.12681157886982-5

Valid cases: 1652 Invalid: 0 Minimum: 0.1 Maximum: 5 Mean: 1

Standard deviation: 0.8

Village is accessible by road all year: 1=Y, 0=N (vaccess) File: hh 9198

Overview

Type: Discrete Format: numeric Width: 9 Decimals: 0 Range: 0-1 Valid cases: 1652 Invalid: 0

Proportion of village land irrigated (pcirr) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 0

Range: 0-0.990000009536743

Valid cases: 1652 Invalid: 0 Minimum: 0 Maximum: 1 Mean: 0.5

Standard deviation: 0.3

Village price of rice: Tk./kg (rice) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3

Range: 6.87959623336792-15.4508962631226

Valid cases: 1652 Invalid: 0 Minimum: 6.9 Maximum: 15.5 Mean: 10

Standard deviation: 1.4

Village price of wheat: Tk./kg (wheat) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3 Range: 1-11 Valid cases: 1652 Invalid: 0 Minimum: 1 Maximum: 11 Mean: 8

Standard deviation: 1.3

Village price of milk: Tk./liter (milk) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3

Range: 1-20.3004474639893

Valid cases: 1652 Invalid: 0 Minimum: 1 Maximum: 20.3 Mean: 11.5

Standard deviation: 3.3

Village price of potato: Tk./kg (potato) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3

Range: 4.65529584884644-12

Valid cases: 1652 Invalid: 0 Minimum: 4.7 Maximum: 12 Mean: 7.8

Standard deviation: 1.3

Village price of egg: Tk./4 counts (egg) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9 Decimals: 3

Range: 1.35336315631866-3

Valid cases: 1652 Invalid: 0 Minimum: 1.4 Maximum: 3 Mean: 2.1

Standard deviation: 0.4

Village price of edible oil: Tk./kg (oil) File: hh 9198

Overview

Type: Continuous Format: numeric Width: 9

Decimals: 3

Range: 23.007173538208-64

Valid cases: 1652 Invalid: 0 Minimum: 23 Maximum: 64 Mean: 46.7

Standard deviation: 8.4

Related Materials

Other materials

Stata program dd

Title Stata program dd

Author(s) S. Khandker, G. Koolwal and H. Samad (World Bank)

Date 2009-01-01 Filename dd.do

Stata program iv

Title Stata program iv

Author(s) S. Khandker, G. Koolwal and H. Samad (World Bank)

Date 2009-01-01 Filename iv.do

Stata program psm

Title Stata program psm

Author(s) S. Khandker, G. Koolwal and H. Samad (World Bank)

Date 2009-01-01 Filename psm.do

Stata program random

Title Stata program random

Author(s) S. Khandker, G. Koolwal and H. Samad (World Bank)

Date 2009-01-01 Filename random.do

Stata program rd

Title Stata program rd

Author(s) S. Khandker, G. Koolwal and H. Samad (World Bank)

Date 2009-01-01 Filename rd.do

Handbook on Impact Evaluation: Quantitative Methods and Practices

Title Handbook on Impact Evaluation: Quantitative Methods and Practices Author(s) Shahidur Khandker , Gayatri B. Koolwal , Hussain Samad (World Bank)

Date 2009-10-01 Country World

PART 1. METHODS AND PRACTICES

1. Introduction

2. Basic Issues of Evaluation

Summary • Learning Objectives • Introduction: Monitoring versus Evaluation • Monitoring • Setting Up Indicators within an M&E Framework • Operational Evaluation • Quantitative versus Quantitative Impact Assessments • Quantitative Impact Assessment: Ex Post versus Ex Ante Impact Evaluations • The Problem of the Counterfactual • Basic Theory of Impact Evaluation: The Problem of Selection Bias • Different Evaluation Approaches to Ex Post Impact Evaluation • Overview: Designing and Implementing Impact Evaluations • Questions

3. Randomization

Summary • Learning Objectives • Setting the Counterfactual • Statistical Design of Randomization • Calculating Treatment Effects • Randomization in Evaluation Design: Different Methods of Randomization • Concerns with Randomization • Randomization • Randomization • Questions

4. Propensity Score Matching

Summary • Learning Objectives • PSM and Its Practical Uses • What Does PSM Do? • PSM Method in Theory • Application of the PSM Method • Critiquing the PSM Method • PSM and Regression-Based Methods • Questions

5. Double Difference

Summary • Learning Objectives • Addressing Selection Bias from a Different Perspective: Using Differences as Counterfactual • DD Method: Theory and Application • Advantages and Disadvantages of Using DD • Alternative DD Models • Questions

6. Instrumental Variable Estimation

Summary • Learning Objectives • Introduction • Two-Stage Least Squares Approach to IVs • Concerns with IVs • Sources of IVs • Question

7. Regression Discontinuity and Pipeline Methods

Summary • Learning Objectives • Introduction • Regression Discontinuity in Theory • Advantages and Disadvantages of the RD Approach • Pipeline Comparisons • Questions

8. Measuring Distributional Program Effects

Summary • Learning Objectives • The Need to Examine Distributional Impacts of Programs • Examining Heterogeneous Program Impacts: Linear Regression Framework • Quantile Regression Approaches • Discussion: Data Collection Issues

Table of contents

9. Using Economic Models to Evaluate Policies

Summary • Learning Objectives • Introduction • Structural versus Reduced-Form Approaches • Modeling the Effects of Policies • Assessing the Effect of Policies in a Macroeconomic Framework • Modeling Household Behavior in the Case of a Single Treatment: Case Studies on School Subsidy Programs • Conclusions

10. Conclusions

PART 2. STATA EXERCISES

11. Introduction to Stata

Data Sets Used for Stata Exercise • Beginning Exercise: Introduction to Stata • Working with Data Files: Looking at the Content • Changing Data Sets • Combining Data Sets • Working with .log and .do Files

12. Randomized Impact Evaluation

Impacts of Program Placement in Villages • Impacts of Program Participation • Capturing Both Program Placement and Participation • Impacts of Program Participation in Program Villages • Measuring Spillover Effects of Microcredit Program Placement • Further Exercises

13. Propensity Score Matching Technique

Propensity Score Equation: Satisfying the Balancing Property • Average Treatment Effect Using Nearest-Neighbor Matching • Average Treatment Effect Using Stratification Matching • Average Treatment Effect Using Radius Matching • Average Treatment Effect Using Kernel Matching • Checking Robustness of Average Treatment Effect • Further Exercises

14. Double-Difference Method

Simplest Implementation: Simple Comparison Using "ttest" • Regression Implementation • Checking Robustness of DD with Fixed-Effects Regression • Applying the DD Method in Cross-Sectional Data • Taking into Account Initial Conditions • The DD Method Combined with Propensity Score Matching

15. Instrumental Variable Method

IV Implementation Using "ivreg" Command • Testing for Endogeneity: OLS versus IV • IV Method for Binary Treatment: "treatreg" Command • IV with Fixed Effects: Cross-Sectional Estimates • IV with Fixed Effects: Panel Estimates

16. Regression Discontinuity Design

Impact Estimation Using RD • Implementation of Sharp Discontinuity • Implementation of Fuzzy Discontinuity • Exercise

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