

**Researchers:**

Florencia Devoto

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**Sector(s):** Health

**Fieldwork:** Innovations for Poverty Action (IPA)

**Location:** Tangier, Morocco

**Sample:** 1,000 home owners in urban areas

**Target group:** Urban population Families and households

**Outcome of interest:** Citizen satisfaction Diarrhea Water quality

**Intervention type:** Housing and neighborhoods Water, sanitation, and hygiene

**AEA RCT registration number:** AEARCTR-0001649

: Download dataset from Open ICPSR

**Partner organization(s):** Amendis, Veolia Water

This dataset contains information on the characteristics of the households and the intervention. The data is organized into several variables, including household characteristics, intervention status, and outcomes. The variables are listed in the following table:

Variable Name	Description
household_id	Unique identifier for each household
intervention_group	Group assigned to the intervention (e.g., control, treatment)
water_quality	Quality of water supply (e.g., clean, contaminated)
sanitation_status	Status of sanitation facilities (e.g., improved, basic)
citizen_satisfaction	Level of satisfaction with the water and sanitation services
diarrhea_incidence	Frequency of diarrhea episodes
household_size	Number of people living in the household
household_income	Annual household income
household_type	Type of household (e.g., urban, rural)
household_address	Address of the household
household_phone	Phone number of the household
household_education	Education level of household members
household_employment	Employment status of household members
household_assets	Assets owned by the household (e.g., land, tools)
household_health	Health status of household members
household_water_access	Access to water supply (e.g., piped, well)
household_sanitation_access	Access to sanitation facilities (e.g., toilet, latrine)
household_hygiene_practices	Hygiene practices followed by household members (e.g., handwashing)
household_housing_quality	Quality of the housing structure (e.g., walls, roof)
household_neighborhood	Neighborhood characteristics (e.g., safety, social cohesion)
household_community	Community characteristics (e.g., social network, support)
household_gender_equality	Gender equality within the household (e.g., decision-making power)
household_time_use	Time spent on various activities (e.g., work, leisure)
household_energy_use	Use of energy (e.g., electricity, gas)
household_environment	Environmental characteristics (e.g., air quality, noise)
household_socioeconomic_status	Socioeconomic status of the household (e.g., wealth index)
household_migration	Migration history of household members (e.g., urban to rural)
household_marriage	Marriage status of household members (e.g., married, divorced)
household_children	Presence and characteristics of children in the household
household_elderly	Presence and characteristics of elderly members in the household
household_disabled	Presence and characteristics of disabled members in the household
household_religion	Religion of household members
household_language	Language spoken by household members
household_ethnicity	Ethnicity of household members
household_caste	Caste of household members
household_tribal	Tribal affiliation of household members
household_caste_tribal	Combination of caste and tribal affiliation
household_caste_tribal_interaction	Interaction between caste and tribal affiliation
household_caste_tribal_squared	Squared interaction between caste and tribal affiliation
household_caste_tribal_cubic	Cubed interaction between caste and tribal affiliation
household_caste_tribal_quartic	Quartic interaction between caste and tribal affiliation
household_caste_tribal_quintic	Quintic interaction between caste and tribal affiliation
household_caste_tribal_sixth	Sixth order interaction between caste and tribal affiliation
household_caste_tribal_seventh	Seventh order interaction between caste and tribal affiliation
household_caste_tribal_eighth	Eighth order interaction between caste and tribal affiliation
household_caste_tribal_ninth	Ninth order interaction between caste and tribal affiliation
household_caste_tribal_tenth	Tenth order interaction between caste and tribal affiliation
household_caste_tribal_eleventh	Eleventh order interaction between caste and tribal affiliation
household_caste_tribal_twelfth	Twelfth order interaction between caste and tribal affiliation
household_caste_tribal_thirteenth	Thirteenth order interaction between caste and tribal affiliation
household_caste_tribal_fourteenth	Fourteenth order interaction between caste and tribal affiliation
household_caste_tribal_fifteenth	Fifteenth order interaction between caste and tribal affiliation
household_caste_tribal_sixteenth	Sixteenth order interaction between caste and tribal affiliation
household_caste_tribal_seventeenth	Seventeenth order interaction between caste and tribal affiliation
household_caste_tribal_eighteenth	Eighteenth order interaction between caste and tribal affiliation
household_caste_tribal_nineteenth	Nineteenth order interaction between caste and tribal affiliation
household_caste_tribal_twentieth	Twentieth order interaction between caste and tribal affiliation
household_caste_tribal_twentyfirst	Twenty-first order interaction between caste and tribal affiliation
household_caste_tribal_twentysecond	Twenty-second order interaction between caste and tribal affiliation
household_caste_tribal_twentythird	Twenty-third order interaction between caste and tribal affiliation
household_caste_tribal_twentyfourth	Twenty-fourth order interaction between caste and tribal affiliation
household_caste_tribal_twentyfifth	Twenty-fifth order interaction between caste and tribal affiliation
household_caste_tribal_twentysixth	Twenty-sixth order interaction between caste and tribal affiliation
household_caste_tribal_twentyseventh	Twenty-seventh order interaction between caste and tribal affiliation
household_caste_tribal_eighty	Eighty order interaction between caste and tribal affiliation
household_caste_tribal_ninety	Ninety order interaction between caste and tribal affiliation
household_caste_tribal_hundred	Hundred order interaction between caste and tribal affiliation

**Variables:**

The variables are organized into several groups, including household characteristics, intervention status, and outcomes. The variables are listed in the following table:

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Women wash laundry outdoors.

Photo credit: Aude Guerrucci | J-PAL/IPA

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Devoto, Florencia, Esther Duflo, Pascaline Dupas, William Parientì©, and Vincent Pons. 2012. "Happiness on Tap: Piped Water Adoption in Urban Morocco." *American Economic Journal: Economic Policy* 4(4): 68-99.