The Life in Kyrgyzstan Study Data Dashboard

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The LiK Study

- A research-based multi-topic longitudinal survey of households and individuals in Kyrgyz Republic.
- Six rounds: initial survey done in 2010—repeated five more times (2011 to 2013, 2016 and 2019)
  - Surveying the same households and individuals (panel data);
  - Low attrition (~4.5% year to year)
- The LiK study has evolved (started with 3 modules; most recent one has 5)
  - Household (all waves)
  - Individual (all waves)
  - Community (all waves)
  - Agriculture (2016 and 2019)
  - Youth (2019)

The LiK Study

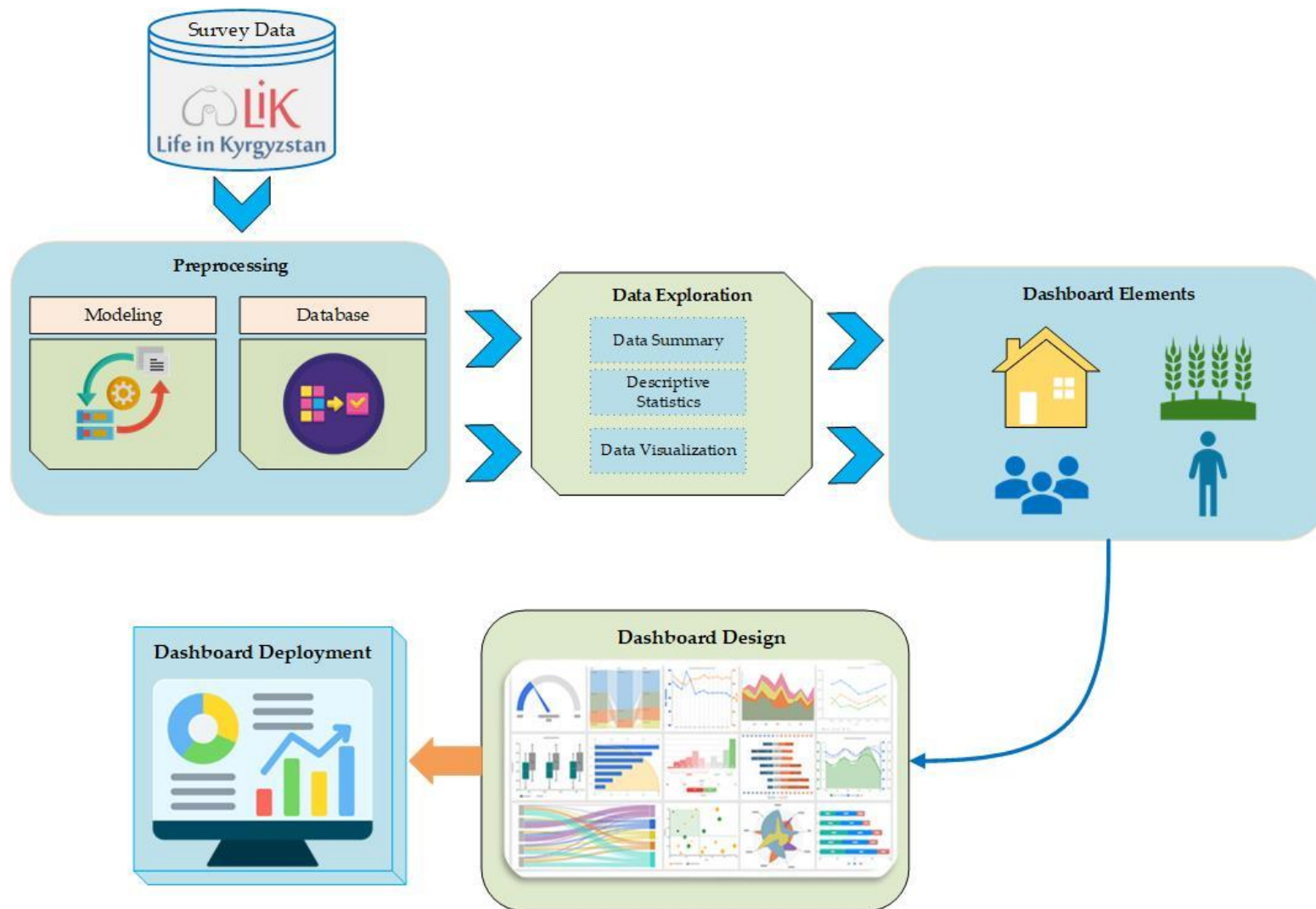- Each module is divided into sections covering various aspects of the module topic

Household	Individual	Community	Agriculture	Youth (14-17 yrs)
• Compositions, health and education • Housing, assets and savings • Consumption and expenditure • Income • Migration • Shocks • Climate Changes	• Education, health • Employment • Movement • Attitudes and perceptions • Social life (memberships and networks) • Political, civic and governance	• Population and migration • Access to services • Economic activities • Development programs • Food prices in markets	• Land ownership & rights • Land use • Agricultural Inputs • Crop Sales • Livestock • Agricultural Information	Similar to individual

- The LiK Study Data is primarily intended for use by researchers
  - Requires registration to access data files
  - Multiple data files that are spread across the years, modules, and sub-sections of each module
    - For 2019 a total of 54 separate files
  - Requires familiarity with data manipulation techniques to be able to extract information
  - Policy makers and those interested in just doing some exploratory work, might find data access daunting
- To allow wider use of the data and make it accessible to those that simply want to get basic information about the various aspects of the study, we are building a data dashboard

Data Dashboard

- Still work in progress

- Currently covers the 2016 and 2019 surveys and most of the modules

- Allows users to query by
  - Module (Household, Agriculture, Community and Individual)
  - Category within Module
  - Year (2016 and 2019 for now)
  - Region

- Output in table and bar-charts; disaggregated by year and region

Overview

Example 1

- Issue: Poor air quality has been linked to type of fuel source for heating.

- Q: What is the main source of heating in various regions of the country?
  - Query the database
    - → Household
      - → Housing, Assets, Savings
        - → Category: Housing Amenities
          - → Filter: Main source of heating

- How has this changed over time?
  - → 2019 vs 2016

Example 2

- Issue: Farm investments are needed for increasing agricultural productivity

- Q: What proportion of agricultural households are making investments? What is the investment on? What is the source of funding?
  - Query the database
  → Agriculture
    → Category: Farm investment
      → Filter: Made investment
      → Filter: Investment activity
      → Filter: Primary finance source

Example 3

- Issue: Climate change is associated with greater environmental shocks

- Q: Which regions are likely to experience these shocks (as reported by surveyed households).
  - →Household
  →Climate Change
    - → Category: Climate Change
    →Filter:

Example 4

Next steps

- Data validation
- Add previous years, and hopefully 2024
- Ability to see changes over time
- Ability to download
- Translation to Kyrgyz and Russian

- Comments welcome to improve interface:

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