



Creating Profiles of Army Bases

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Goals:

- How can we use data sources external to the DoD to study issues important to the military (e.g. soldier attrition)?
- Identify local sources of publicly available data to create profiles of Army bases and their surrounding areas.

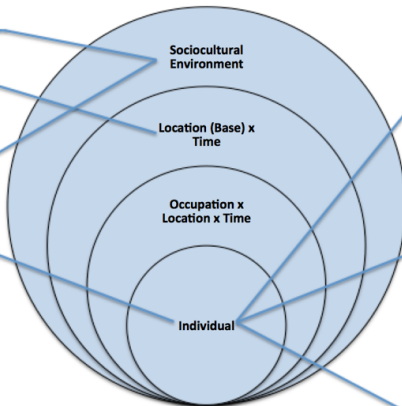
Other Information

Variables We Have
 Policy changes (e.g., peacetime vs. war)
 Non-personal shock events (e.g., 9/11)
 Job alternatives (e.g., ACS employment)
 Local community (e.g., ACS data)

Constructs to be Modeled
 National Army prestige/support
 Cohesion
 Job satisfaction
 Job investment
 Commitment norms

Towards an Integrated Data Framework for Understanding the Context of Army Environments

Data and Information Map*



Administrative Data

Demographics
 Race
 Ethnicity
 Sex
 Birthdate/Age
 Faith group
 Education level and discipline
 Marital status
 Spouse in military indicator
 Number and type of dependents
 ASVAB score
 State/country of residence before entry

Service Dates and Locations
 Length of time in service
 Length of service agreement
 Location (base) over time
 Obligation begin and end dates
 Term of service
 Date of initial entry
 Date of end of initial training

Military-Specific Characteristics/Incentives
 Security clearance
 Education incentive indicator
 Career status bonus program indicator
 Object of mission (e.g., advanced cruise missile)
 Occupation group (primary and secondary)
 Re-enlistment eligibility
 Aeronautical rating code (e.g., astronaut)
 Flying status indicator
 Pay grade (e.g., E-3) and length of time in grade
 Character of service (e.g., honorable)

To understand the individual, it is necessary to understand the social contexts in which the individual is embedded. Social contexts represent an ecological system composed of different levels, ranging from the immediate environment to higher social and cultural forces.

*Unit level not available to us.



Project Plan: What will we do?

- Data discovery. What are useful local data sources for describing the environment of an army base over time?
- Profiling, preparation, linking data sources.
- Exploring the data thorough visualization, descriptive statistics, analyzing patterns.
- Other output:
 - Data products that can be brought into the PDE and used for modeling.
 - Visual profiles to give highlights of data for each Army base by research question.