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Introduction

The NetSense Study Codebook

A Comprehensive Research Portal for the Multiwave Cohort Study of Student Social Networks, Demographics, and Bluetooth Proximity at the University of Notre Dame.

203 Cohort Students

8 Longitudinal Waves

165k+ Bluetooth Proximity Edges

Welcome to the **NetSense Study Codebook**. This is a modern, comprehensive documentation and exploration portal for the NetSense longitudinal study conducted at the University of Notre Dame.

The study tracks a cohort of students (Waves 1–8) from Summer 2011 to Winter 2014, capturing how their social networks, behaviors, attitudes, and physical proximity co-evolved over time.

Study Components

The NetSense dataset is organized into three primary streams:

1. **Longitudinal Surveys** ([surveys.qmd](#)): Complete individual-level student demographics, personalities, academic performance (GPA), lifestyles, and preferences.
2. **Social Network Waves** ([networks.qmd](#)): Wave-by-wave egocentric network nomination surveys capturing closeness, contact frequencies, emotional profiles, and social context of friendships.
3. **Bluetooth Proximity Logs** ([proximity.qmd](#)): Weekly automated device-to-device proximity logs (Weeks 8–41) capturing continuous face-to-face physical interaction.
4. **Anonymized Telemetry Logs**: Continuous logs of SMS, phone calls, emails, and address book contacts with out-of-network contacts securely hashed.

Data Schema & Entity Relationships

The diagram below shows how the various components of the study link together using standard identifiers.



Technical Setup

All files are programmatically prepared in highly accessible formats (`.csv` and `.dta`) using open-source, reproducible pipelines in R. The personal identifying information (PII) of all human subjects has been completely and programmatically scrubbed before inclusion in these public releases.

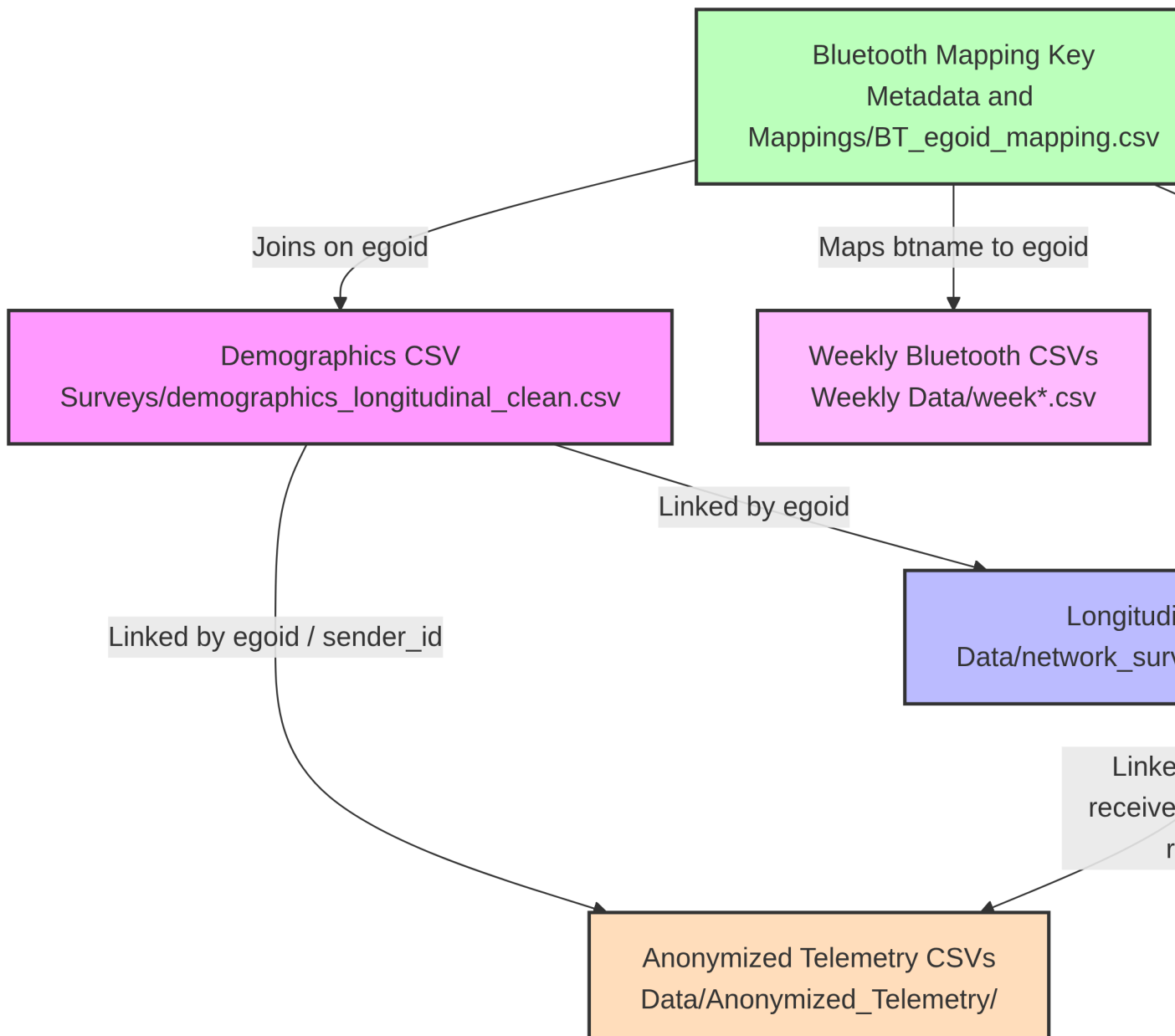


Figure 1: NetSense Dataset Relationship Diagram