Product Family Sizing using DfHV

Jillian Haldaman
Shawn Parsons
Nate Troupe
Ketki Manjrekar
Joy Untalan

Background

- DfHV
  - Accommodating population
  - Artifacts, environments, tasks
  - Population models
  - PCA
Motivation & Objective

- Some people have difficulty in the kitchen environment
- Design a product family of kitchen modules to accommodate 90 percent of the user population

Semester Plan

- Look for needed measurements in existing anthropometric databases
  - If unavailable, generate population model
- Perform PCA
- Make PCA results perceptible
- Obtain optimal sizing for products
- Generate product family

Thank you