Group 3: Data Analysis

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Overview

1. Group Analysis
   - Introduction
   - Summary of the Dataset
   - Initial Model
2. Individual Analysis
   - Regression Trees
   - Resampling Inference or something
   - Not sure what Yiding decided on
   - Model Selection

Introduction

Describe dataset

- introduce the dataset, give the reason data was originally collected
- describe sample used
- basically introduce the project and discuss the usefulness of and applications for this data

Variable(s) 1

Describe variables here, analyze plot. Plot relationships between a handful of variables and discuss (use a variety of types of plots to illustrate data):

- chest, hip, waist, wrist, Bitrochanteric, shoulder distributions of these
- weight v height by gender
- pairs plot? Others?

These can be done on the next three slides or all on one, up to you guys. I just put in the slides to make it easier. Also, change whatever titles, etc. you want.

Insert a plot or two.

Variable(s) 2

Describe variables here, analyze plot. By the way, xtable() is a option in R to output a latex table. It can be a great tool in showing summary analyses.

Insert a plot or two

Variable(s) 3

Describe variables here. And analyze plot

Insert a plot or two

Multiple Linear Regression Model

Text describing why this model

Model

Present predictive model for weight (2) in paper
-fit this model and discuss results
-discuss potential uses for models of this data (finding ideal weight based on skeletal measurements?) and potential problems for applying to whole population (all participants were physically fit)

Liza

This doesn't have to be the order of the individual analysis part. I am just giving each person two slides to start with. We can move it around so it flows better after all the info is here.
Try to keep your analysis to two slides, as we are all presenting stuff. Also, note that your Labs are seperate PDFs that you create and turn in seperately.

Liza

Nick

Nick

Yiding

Yiding

Emily

Emily