

Logistics of Constructing a Washington D.C.-Baltimore Rapid Transit Line

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Outline

- 1 Preliminaries
- 2 Principles
- 3 Tools
- 4 Arguments from Scale
- 5 Graphical Methods
- 6 Basic Optimization

Example: Insurance Redlining

Frequently Recurring Elements of doing a Project in Industry:

- ① Work Statement
- ② Midterm Presentation
- ③ Progress Report
- ④ Final Presentation
- ⑤ Final Report

Programmings in this class

① L^AT_EX:

① moderncv

② beamer

③ article

④ tikz

② R:

① tikzDevice

② lm

③ Git

① git init .

Seven Basic Principles

- 1 Set the context
- 2 Choose effective examples and analogies
- 3 Choose vocabulary to suit your readers
- 4 Decide whether to present #s in text, tables, or figures
- 5 Report and interpret #s in the text
- 6 Specify the direction *and* size of an association between variables
- 7 For many #s, summarize overall pattern

Creating Effective Tables

Example: Cost of Packaging

Example: The Nuclear Mission Arms Race

Example: Maintaining Inventory