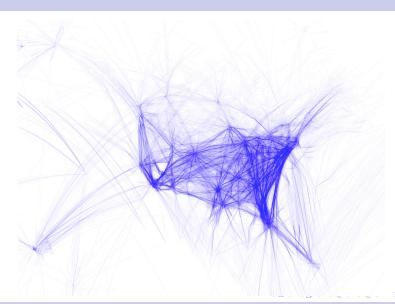
Project 2: The Plight of the Late Flight

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Contents

- 1 Overview and Question of Interest
 - Question of Interest
 - Choosing A Metric
 - Narrowing Scope
- 2 Population-Based Findings

- 3 Sample-based Findings
 - Sample Frame
- 4 Discussion, Obstacles and Solutions
- 5 Future Work
- Questions

Overview

- Data: Bureau of Transportation Statistics (BTS)
- Last 25 years
- 30 Unique carriers
- 376 Unique origins

Question of Interest

Is there evidence that delay times for a particular airline is improving over the last 25 years?

Improvement is defined as negative change in delay time, where delay can be measured using the folling metrics:

- Arrival delay
 - What customers about

OR

- Carrier + Late Aircraft delays
 - What carries are able to control

Narrowing Scope

- Ran all airline and years
- Only kept airlines with 10+ years of service
 - 10+ is enougth to discern a pattern
- Aggregating to creating yearly averages
 - Average over seasonal effects to compare year to year

Population-Based Findings

WAITING FOR WORK FROM ETHAN AND ANDREW

Sample-based Findings

- 1 Stratify by unique carrier
- 2 Stratify by year (1989-2013)
- 3 Stratify by origin airport size (as determined by flight traffic volume)
 - Proportional sample from strata based on number of flights

Sample Frame

Sample Frame

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Discussion, Obstacles and Solutions

Future Work

Questions

Google? Which airline is sexy?