

# STA 13A

## Tenth Week Discussion

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### Review on materials covered

Some Important terminology last week

- Comparing two population proportions: independent sampling
- Simple Linear Regression
- Deterministic relationship and probabilistic relationship
- The Straight Line model  $y = \beta_0 + \beta_1 x + \epsilon$
- Least Squares Approach: minimise the sum of squares of the errors (SSE)
- Model Assumptions
- estimation of  $\sigma^2$  for a Straight-Line Model

### Some Typical Questions

- Refer to Textbook 8.12, 9.8, 9.14, 9.20, 9.44
- Questions on homework if you have any!!! If not, that is the end of class :)