

Introduction to Scientific Research – Analysis

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February 14, 2017

BISC 104

Session 2

Scientific research probes deepest mysteries
of universe

The Experiment

- **Hypothesis:** More males than females visit Panda Express

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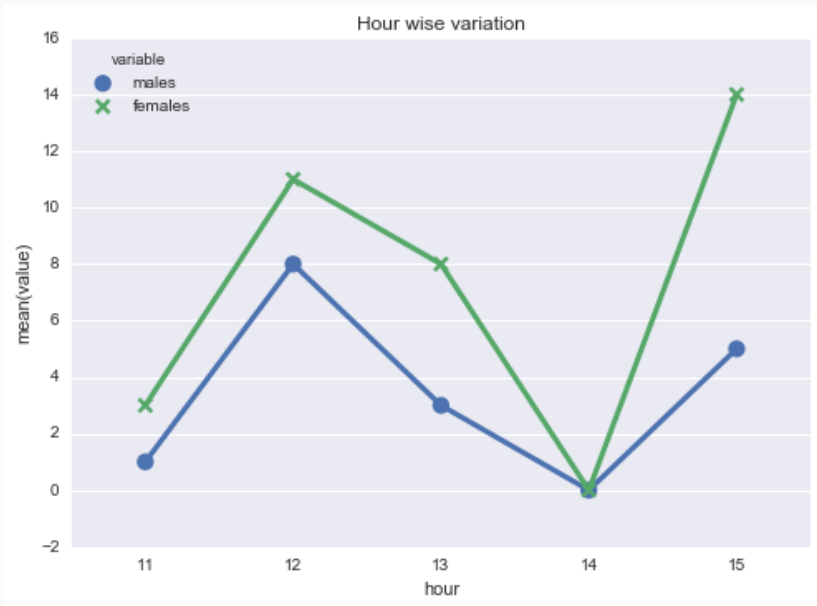
The Experiment

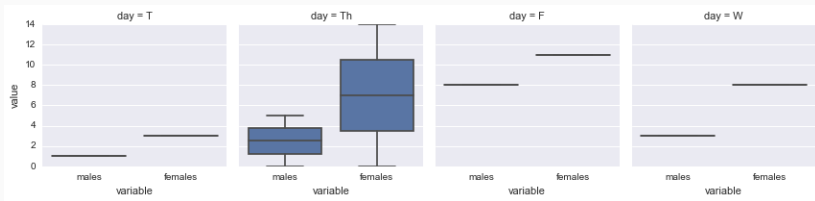
- **Hypothesis:** More males than females visit Panda Express
- **Independent Variables:** Time
- **Control Variables:** Weather; Other eateries open?; food options at panda?
- **Possible improvements:** Randomize time of visit; More number of visits; cameras

| hour | day | males | females |
|------|-----|-------|---------|
| 11 | T | 1 | 3 |
| 15 | Th | 5 | 14 |
| 12 | F | 8 | 11 |
| 13 | W | 3 | 8 |
| 14 | Th | 0 | 0 |

Count table







Boxplot

- Quiz![First five minutes!]. Based on lab sessions 01-02.
- You don't need to know about things in 'Extras' slides
- You should know about type of variables and should be able to determine them given a new experiment(Baking bread/Better fertilizer etc. that we talked about in Session 01)
- Please try to be on time!

Tuesday: 9-10AM
Thursday: 9-10AM
ZSH 372

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