

Introduction to Scientific Research – Analysis

Saket Choudhary

September 8, 2016

BISC 104

Session 2

Scientific research probes deepest mysteries
of universe

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

The Experiment

- **Hypothesis:** More males than females visit Panda Express
- **Independent Variables:** Time

The Experiment

- **Hypothesis:** More males than females visit Panda Express
- **Independent Variables:** Time
- **Control Variables:** Weather; Other eateries open?; food options at panda?

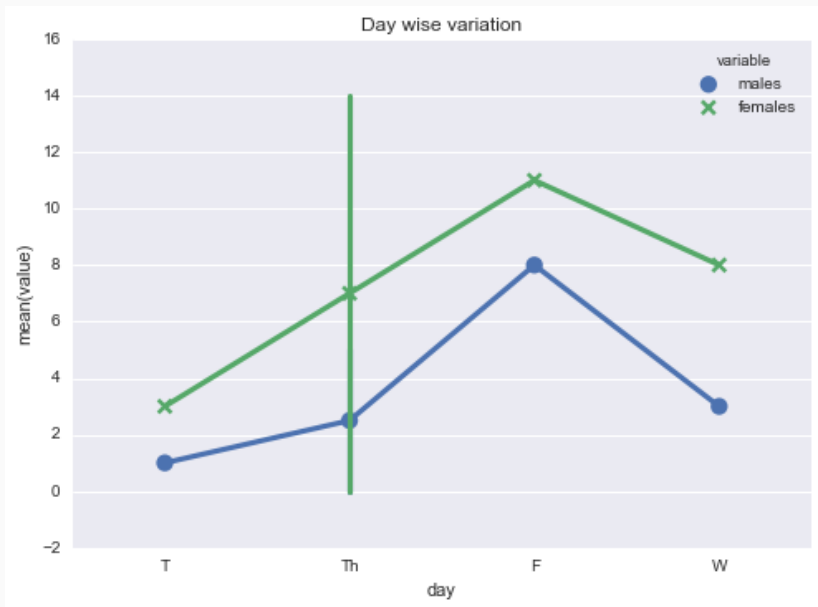
The Experiment

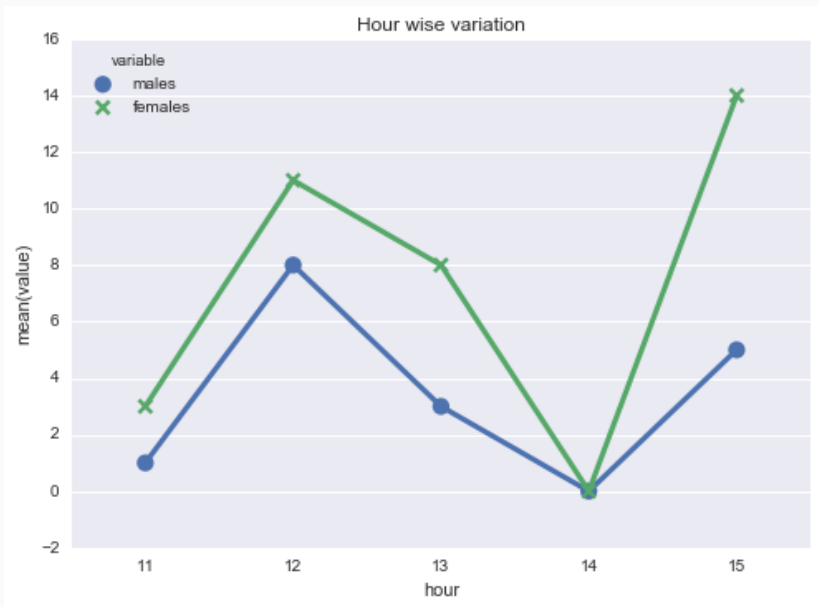
- **Hypothesis:** More males than females visit Panda Express
- **Independent Variables:** Time
- **Control Variables:** Weather; Other eateries open?; food options at panda?
- **Possible improvements:** Randomize time of visit; More number of visits; cameras

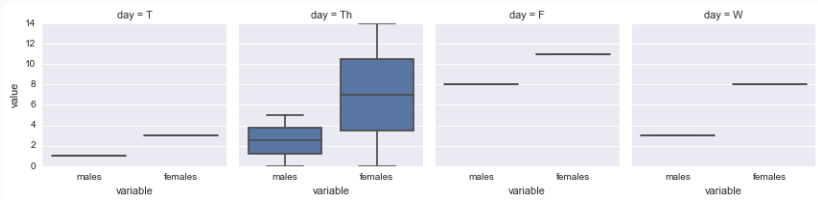
hour	day	males	females
11	T	1	3
15	Th	5	14
12	F	8	11
13	W	3	8
14	Th	0	0

Count table

Extras







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

Saket Choudhary

skchoudh@usc.edu