

CSE 442 - Data Visualization

Design Exercise



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Administrivia

A2: Exploratory Data Analysis

Use visualization software to form & answer questions

First steps:

Step 1: Pick domain & data

Step 2: Pose questions

Step 3: Profile the data

Iterate as needed

Create visualizations

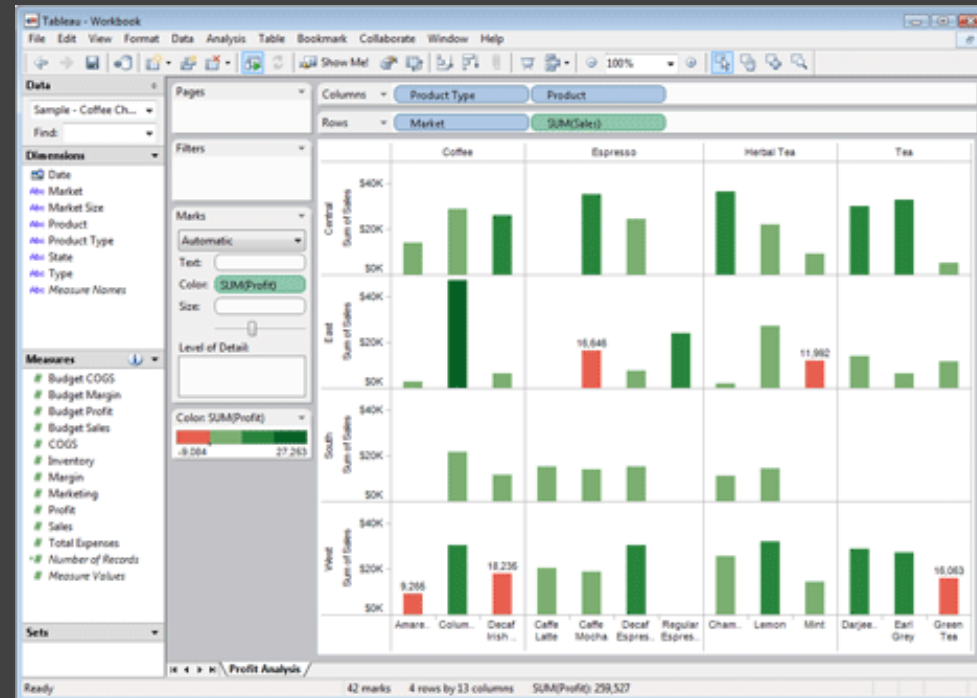
Interact with data

Refine your questions

Author a report notebook

Screenshots of most insightful views (8+)

Include titles and captions for each view



Due by 11:59pm

Monday, Oct 26

Tableau Tutorial (Optional)

Friday October 16, 1:30-3:00pm

Zoom link available on Canvas

Will also be recorded

Led by Kevin and Yang

Design Exercise

Visual Encoding Exercise

5 17

How many visualizations can you think of for conveying these two numbers? Feel free to invent tasks or contexts. **Sketch as many as you can!**

Don't stress over quality, go for quantity.

Time: ~5 minutes

Visual Encoding Exercise

5 17

We will assign you to breakout rooms. Introduce yourselves! Then compare your designs. (*You can hold drawings up to the camera to share.*) How many ideas are the same? How many are different?

Capture your favorite images and post them on the Ed thread "In-Class Design Activity".

Visual Encoding Exercise

5 17

How many visualizations can you think of for conveying these two numbers? Feel free to invent tasks or contexts. **Sketch as many as you can!**

Time permitting, let's share back with the class.

What were the most common designs?

The most surprising / creative / innovative?