

Lecture 10 – Data Visualization Challenge #1

Today's Learning Objectives:

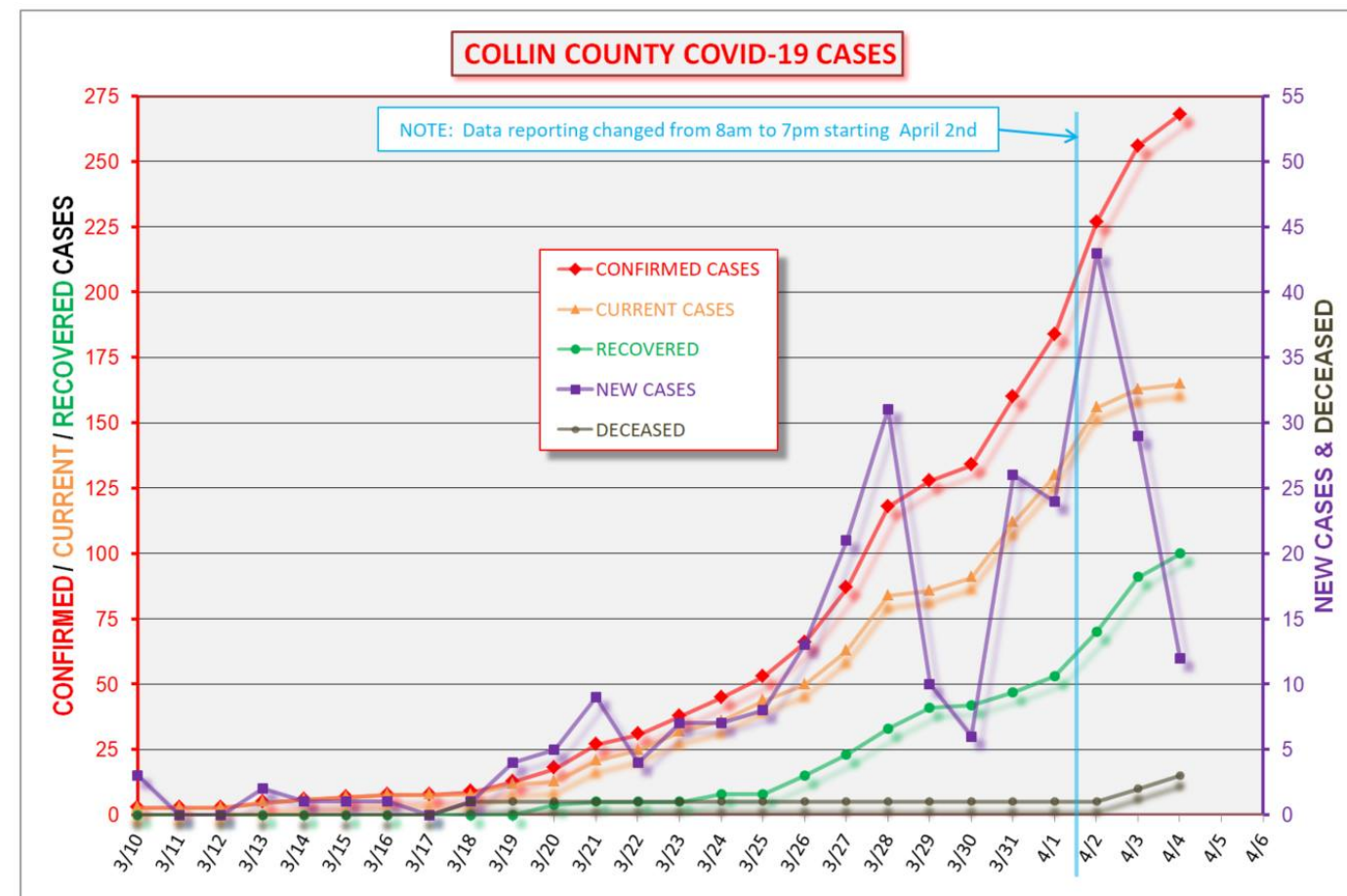
1. Practice your visualization skills with a novel challenge.

COVID-19 Visualization Wins and Losses

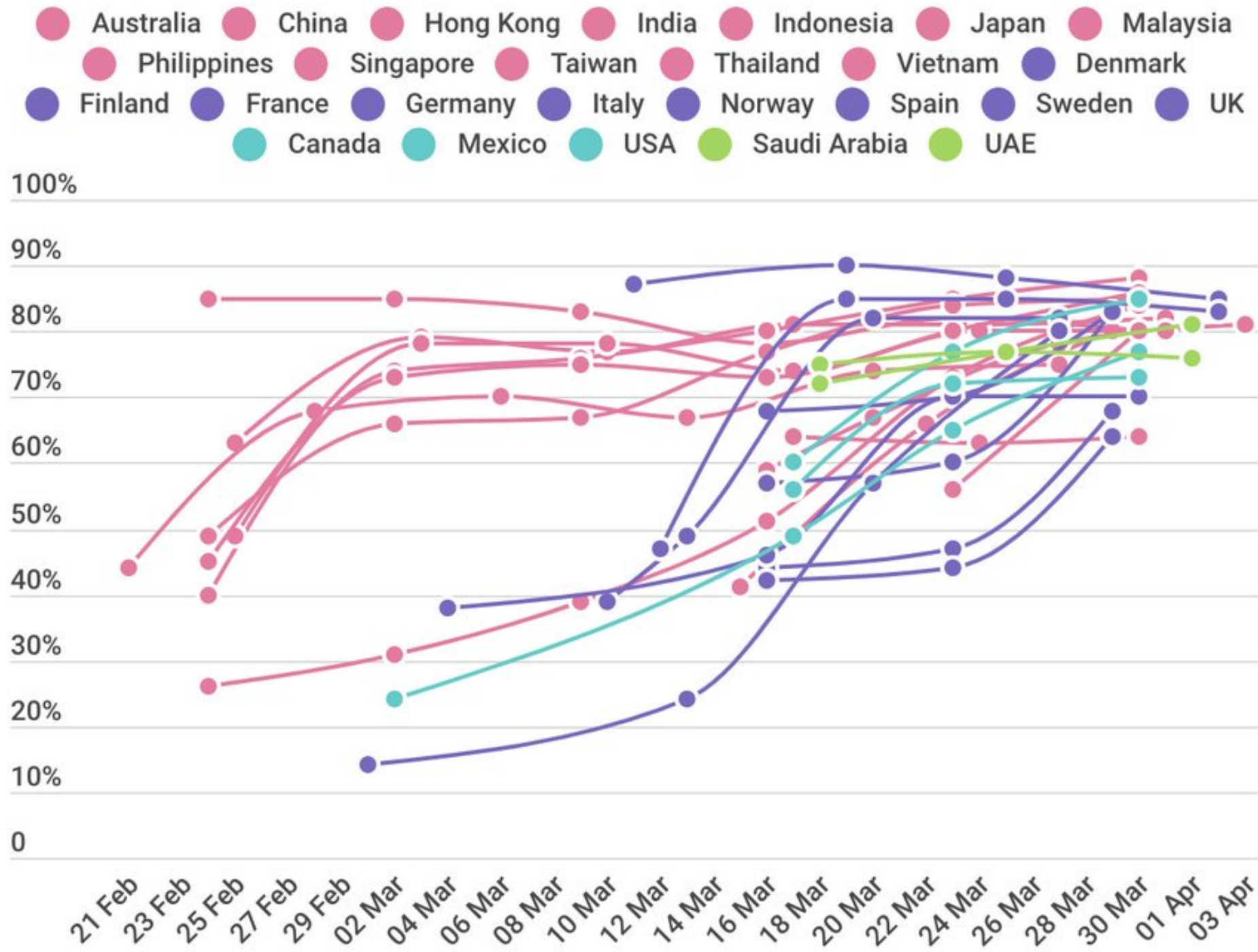
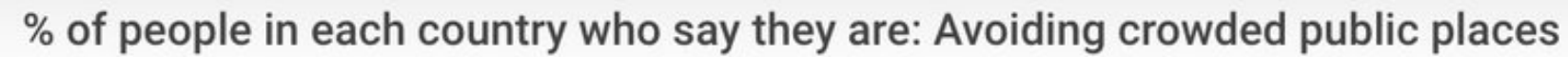
Wrong



Bad



COVID-19 Visualization Wins and Losses



COVID-19 Visualization Wins and Losses

Unemployment claims 3/14

Unemployment claims 3/21

Unemployment claims 3/28



What are qualities of a Good Visualization?

List qualities of a good visualization that we've learned so far.

- effective use of whitespace
- clarity & accuracy
- answers a specific question
- accessible
- lessens cognitive burden on viewer
- understandable
- good color palette
- not ugly
- “less is more”
- uses fast-processing features
- includes legends & guides

List qualities of visualizations you should avoid.

- cluttered, too much information
- missing labels, units and other important context
- ugly
- poor color choices
- inaccessible
- poor contrast with elements
- overlapping features, bad use of whitespace
- elements that are distracting

Data Visualization Challenge #1

What makes countries happier than others?

Info: <https://worldhappiness.report/>

Data: <https://www.kaggle.com/unsdsn/world-happiness>

Challenge: Make a visualization that shows one or more factors influence the happiness of people in the world.

- Your visualization should stand on its own.
- Your visualization can be in any format.
- Your visualization can have as much text or as many figures as you wish.

There are no correct/incorrect answers, only
good, bad, ugly, and wrong
visualizations!

Submit: a single image file to assignment on Canvas by 3/13 at noon.