

## Bootstrap: Data Science (Feb-Mar 2021) - *VIRTUAL*

Instructor

Feb 2, 4, 16, 18; Mar 2 & 4, 2021.  
6:00 – 8:00pm CST

**Emmanuel Schanzer**  
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A Zoom link will be provided prior to the start date.

### AGENDA

#### DAY 1 & 2 – Tuesday, Feb 2 and Thursday, Feb 4

- Welcome, introduction
- Intro to Programming, Tables, and Visualization
- Defining Functions
- Filtering and Transforming data tables with functions

#### DAY 3 & 4 – Tuesday, Feb 16 and Thursday, Feb 18

- Random and Grouped Sampling
- Histograms and Box Plots
- Measures of Center and Spread

#### DAY 5 & 6 – Tuesday, Mar 2 and Thursday, Mar 4

- Scatterplots
- Correlation and Linear Regression
- Threats to Validity
- Ethics and Privacy