Bootcamp Info Sheet

Instructor

Name: *Joy Hopkins*

Bio: *Joy Hopkins (she/they) has more than 15 years experience in education. After an extensive career in the nonprofit sector, they transitioned to tech about 9 years ago. Joy has a deep background in the performing arts which is the foundation for both their communication and project management skills. Their data science expertise and passion lie primarily in data literacy, visualization, and storytelling. Joy has a Bachelor's degree from James Madison University and a Master's degree from American University.*

Bootcamp Details

Bootcamp Title: *Data Visualization and Storytelling*

Number of Days: *4 days*

Hours per Day: *3 hours per day*

Type of Instruction: *Lecture with interactive chat and polling questions, and individual activities*

Description: *This 12-hour class teaches participants the fundamentals of data visualization, which they can use to support data-driven decision-making and a data-driven culture. By the end of this course, they will be able to recognize misleading or inaccurate charts and graphs, understand the design principles*

involved in creating effective and accurate visualizations, and create a narrative that accurately supports the data, provides context, and reveals actionable insights.

Target Audience: *Learners with minimal prior knowledge of data visualization and data analysis*

Technologies: *No software requirements*

Prerequisites: *No background in math or data analysis is required*

Student References: *Class slides, participant guide*

Bootcamp Syllabus

Day 1
- The basics of data visualization
- Getting started with data visualization
- The anatomy of a chart

Day 2
- Common charts & graphs
- Choosing a visual
- Reducing chart clutter

Day 3
- Visual design theory
- Common mistakes
- Misleading statistics & visual distortions

Day 4
- Data storytelling