Data Journalism Syllabus

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Modules

Module 1: Introduction to Data Journalism
Lesson 1: How Data is Used for Public Interest Stories
Lesson 2: How to Find a Story in Data
Lesson 3: Sector-Specific Data Stories

Module 2: From Data to Stories
Lesson 1: Common Data Formats
Lesson 2: Finding Data Online
Lesson 3: Alternative Data Sources
Lesson 4: Planning a Data Story: Hypothesis and Questions
Lesson 5: Enriching Stories With Data
Lesson 6: Analyzing Fact Sheets

Module 3: Understanding Data
Lesson 1: Organizing Data
Lesson 2: Verifying Data
Lesson 3: Summarizing and Simplifying Data Insights
Lesson 4: Essential Statistics
Lesson 5: Evaluating Data Interpretation
Lesson 6: Data Privacy

Module 4: Data Visualization
Lesson 1: Purpose of Data Visualization
Lesson 2: Matching Data and Graph Types
Lesson 3: Design and Color Basics
Lesson 4: Map Theory
Lesson 5: Ethics of Data Visualization
Lesson 6: Visual Storytelling

Module 5: Data-Driven Stories
Lesson 1: Reaching your Audience
Lesson 2: Data Driven Interviews
Lesson 3: Anatomy of a Data Story
Lesson 4: Data-Driven Leads
Lesson 5: Data-Driven Writing
Lesson 6: Solution Journalism

Labs

Scraping and Cleaning
Scraping 1: Scraping PDFS
Scraping 2: Scraping websites
Cleaning 1: Cleaning in Excel
Cleaning 2: Cleaning in OpenRefine

Analysis
Excel 1: Basic calculations
Excel 2: Summary Statistics
Excel 3: Percentage change
Excel 4: Working with large datasets
Excel 5: Pivot Tables
Excel 6: Advanced merging and formulas

Visualization
Visualization 1: DataWrapper
Visualization 2: Pictochart
Visualization 3: Tableau
Visualization 4: Mapping CARTO
Visualization 5: Tableau Public
Visualization 6: Tableau Public Dashboards