



Data Journalism Syllabus

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For more information, contact

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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

Visualiation 6: Tableau
Public Dashboards