

Friday June 10/Day 5: Data Narrative: How to Tell My Story

9:00 – 10:30 a.m.

Visualizing Data Intensive: Integrating Your Data with Tableau and Mapbox

Instructors: Shawn Goulet and Roberto Rocha

Who should attend: All students

Hariri Seminar Room, 111 Cummington Street

10:45 a.m. – 12:30 p.m.

Framing the Narrative: How Data Forms Your Storyline

Instructor: Rochelle Sharpe, adjunct journalism professor, Boston University,

Who should attend: All students

Software and Web Tools Used: Google Docs

Room 101

10:30 – 10:45 a.m. Break

12:30 – 2:00 p.m.

Catered Lunch: Data Verification: Cross-Checking Your Findings to Ensure Accuracy and Avoid Pitfalls

Instructor: Workshop Staff

Who should attend: All students

Software and Web Tools Used: Microsoft Excel
Room 209

2:00 – 3:30 p.m.

Data + Narrative Lightning Showcase

Our Finale Data + Narrative Storytelling Contest will feature students who will present their data stories; award prizes to the top three winners and top three most improved data storytellers of the week!

Who should attend: All students

Software and Web Tools Used: n/a
Room 209

3:30 – 4:00 p.m. Final Wrap-up and Evaluations

Who Should Attend: All Students

Software and Web Tools Used: n/a
Room 209

WELCOME TO

Storytelling

with



SESSION 1

JUNE 6-10, 2016

BOSTON UNIVERSITY



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Boston University Storytelling With Data
Summer Workshop

HOSTED BY:



Maggie Mulvihill, Workshop Founder & Director,
BU Clinical Professor of Journalism

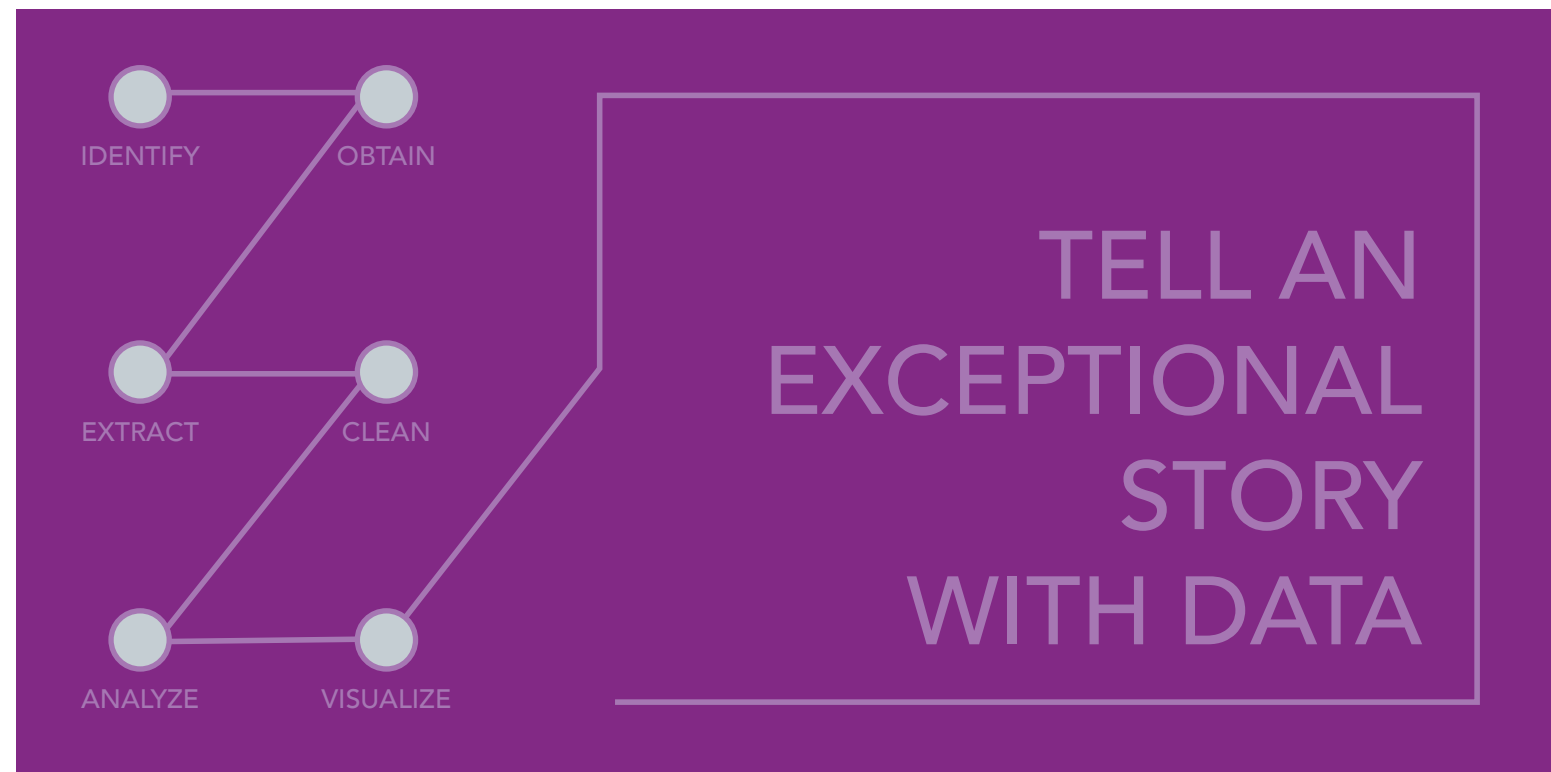
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OUR SCHEDULE

Monday June 6/Day 1: Finding Data

9:00 – 10:15 a.m.

Introductions & Overview of Workshop

Instructor: Maggie Mulvihill, Workshop Founder & Director, Boston University Clinical Professor of Journalism

Who Should Attend: All students

Room 101

10:15 – 10:30 a.m. Break

10:30 a.m. – 12:30 p.m.

So Much Data: Finding High-Value Records for Your Project

Instructor: Maggie Mulvihill, Boston University

Who Should Attend: All students

Software and Web Tools Used: Microsoft Excel, CometDocs, Import.io, OutwitHub Firefox Add-On

Room 101

12:30 – 1:30 p.m.

Lunch and Narrative Data Storytelling Writing Practice Exercises

Instructor: Rochelle Sharpe, Pulitzer Prize winning freelance reporter

Who Should Attend: All students

Software and Web Tools Used: Google Docs

Room 209

1:30 – 3:00 p.m.

Extracting Reliable Data from Social Media: The Latest Tools to Mine Social Media

Instructor: John Wihbey, Assistant Professor of Journalism, Northeastern University

Who Should Attend: the novice social media user

Software and Web Tools Used: all web-based

Hariri Seminar Room, 111 Cummington Street (across from COM)

1:30 – 3:00 p.m.

Advanced Social Media Mining

Instructor: Alison Burdo, Digital Managing Editor, Philadelphia Business Journal

who should attend: experienced social media users

Software and Web Tools Used: all-web based

Room B25

3:00 – 3:15 p.m. Break

3:15 – 4:45 p.m. with ten-minute break

Stats 101: Finding the Statistical Significance in Your Data

Instructor: Wayne Snyder, Professor of Computer Science, Boston University

Who Should Attend: students with little to no statistics

background

Software and Web Tools Used: Microsoft Excel

Room 217

3:15 – 4:45 p.m. with ten-minute break

An Overview of Statistics and Storytelling with R

Instructor: Haviland Wright, Lecturer, Department of Math and Statistics, Boston University, Jeff Paadre, Former Content Developer, Data Camp

Who Should Attend: the student with data skills wanting to learn R programming and analysis.

Software and Web Tools Used: R and R Studio

Room B25

4:45 – 5:00 p.m. Evaluations/Room B25

5:15 – 8 p.m.

Data Storytelling Happy Hour at Scoozy

*all attendees, student coaches, staff and faculty welcome

Tuesday, June 7/Day 2: Extracting Data

9:00 – 10:30 a.m.

Scraping Data from the Web: Free Resources for Storytellers

Instructor: Matt Kiefer, Data Editor, Chicago Reporter

Who Should Attend: students with no scraping or computer programming experience

Software and Web Tools Used: Tabula, CometDocs, Import.io, Google Sheets,

Hariri Seminar Room, 111 Cummington Street

9:00 – 10:30 a.m.

Getting Started with R

Instructor: Haviland Wright, Jeff Paadre

Who Should Attend: the student with data skills wanting to learn R programming and analysis.

Software and Web Tools Used: R and R Studio

Room B25

10:30 – 10:45 a.m. Break

10:45 a.m. – 12:30 p.m.

Spreadsheets 101: The Key Steps to Begin Data Processing for Stories

Instructor: John Hilliard, BostonGlobe.com

Who Should Attend: the novice spreadsheet user

Software and Web Tools Used: Microsoft Excel

Hariri Seminar Room, 111 Cummington Street

10:45 a.m. – 12:30 p.m.

Coding and Cleaning with R

Instructor: Haviland Wright, Jeff Paadre,

Who Should Attend: the student with data skills wanting to learn R programming and analysis.

Software and Web Tools Used: R and R Studio

Room B25

12:30 – 1:30 p.m. Lunch on your own

1:30 – 3:00 p.m.

Advancing with Spreadsheets: Taking Your Data-Analysis Further with Pivot Tables and String Functions

Instructor: Tom Hohenstein, Research Data Management Librarian, Boston University

Who Should Attend: the student with basic spreadsheet experience

Software and Web Tools Used: Microsoft Excel; Node XL

Room 148, 111 Cummington Street

1:30 – 3:00 p.m.

Exploratory Data Analysis (EDA) with R

Instructor: Haviland Wright, Jeff Paadre,

Who Should Attend: the student with data skills wanting to learn R programming and analysis.

Software and Web Tools Used: R and R Studio

Room B25

3:00 – 3:15 p.m. Break

3:15 – 4:15 p.m.

Working with Dirty Data: Time-Saving Tips and Tricks for the Novice and the Experienced Data Analyst

Instructor: Matt Kiefer, Chicago Reporter

Who Should Attend: All students

Software and Web Tools Used: <http://openrefine.org/>;

Microsoft Excel

Room 148, 111 Cummington Street

4:15 – 4:45 p.m.

Practice what you've learned: Putting Your New Data Mining Skills to Work

Instructor: Workshop Staff

Who should attend: All students

Software and Web Tools Used: All

Room 148, 111 Cummington Street

4:45 – 5:00 p.m. Evaluations/Room 101

Wednesday June 8/Day 3: Analyzing Data

9:00 – 10:30 a.m.

Linear and Logistic Regression: Key Concepts for Finding Stories in Your Data

Instructor: Haviland Wright, Jeff Paadre,

Who Should Attend: All students

Software and Web Tools Used: R and R Studio

Room 101

10:30 a.m. – 10:45 a.m. Break

10:45 – 12:30 p.m.

Getting Started with Structured Query Language

Instructor: Krishnan Vaidyanathan, Corporate Risk Analytics, Fidelity Investments

Who Should Attend: students with little to no programming language experience

Software and Web Tools Used: SQL Lite Firefox Add In

Hariri Seminar Room, 111 Cummington Street

10:45 – 12:30 p.m.

Data Storytelling with Regression in R: The Details

Instructor: Haviland Wright, Jeff Paadre,

Who Should Attend: the student with data skills wanting to learn R programming and analysis. Software and Web Tools

Used: R and R Studio

Room B25

12:30 – 1:30 p.m. Lunch on your own

1:30 – 3:00 p.m.

Visualization as Analysis: Quick and Reliable Data Analytics with Tableau Public

Instructor: Roberto Rocha, Digital Journalist, Canadian Broadcasting Company

Who Should Attend: All students

Software and Web Tools Used: Tableau Public

Hariri Seminar Room, 111 Cummington Street

3:00 – 3:15 p.m. Break

3:15 – 4:15 p.m.

Advancing with Visual Analytics: Key (Free) Programs to Dissect Your Data

Instructor: Tyler Machado, Editorial Developer, Harvard Business Review

Who Should Attend: All students

Software and Web Tools Used: Plotly; Google Public Data

Explorer, Overview, Document Cloud

Hariri Seminar Room, 111 Cummington Street

4:15 – 4:45 p.m.

Practice What You've Learned: Putting Your New Data Mining Skills to Work

Instructor: Workshop Staff

Who should attend: All students

Software and Web Tools Used: SQL Lite Firefox Add In

Hariri Seminar Room, 111 Cummington Street

4:45 – 5:00 p.m. Evaluations/Hariri Seminar Room

Thursday June 9/Day 4: Visualizing Your Data

9:00 – 10:30 a.m.

Visual Storytelling with Data: The Fundamentals

Instructor: Wayne Snyder, Boston University

Who Should Attend: All Students

Room 101

10:30 – 10:45 a.m. Break

10:45 a.m. – 12:30 p.m.

Working with Silk : Adding Value to Your Story with Understandable Data Graphics

Instructor: Sarah Aoun, Marketing and Growth Strategist, Silk

Who should attend: students with no data visualization

experience

Software and Web Tools Used: Silk

Room B25

10:45 a.m. – 12:30 p.m.

Visualizing Data with R: Plots and Maps

Instructor: Haviland Wright, Jeff Paadre,

Who should attend: the student with data skills wanting to learn R programming and analysis.

Software and Web Tools Used: R and R Studio

Room B08, 111 Cummington Street

12:30 – 1:30 p.m. Lunch on your own

1:30 – 3:00 p.m.

Mapping Bootcamp 101

Instructor: Shawn Goulet, Geospatial Analyst, Cape Cod Commission

Who should attend: students who've never made a map with data

Software and Web Tools Used: Mapbox

Room 317

1:30 – 3:00 p.m.

Advanced Models in R

Instructor: Haviland Wright, Jeff Paadre,

Who should attend: the student with data skills wanting to learn R programming and analysis.

Software and Web Tools Used: R and R Studio

Hariri Seminar Room, 111 Cummington Street

3:00 – 3:15 p.m. Break

3:15 – 4:15 p.m.

Data Stories with Interactive Timelines

Instructor: Katie Cloutier, data journalist

Who should attend: All students

Software and Web Tools Used: All web-based

Room 101

4:15 – 4:45 p.m.

Visualize it in 30 Minutes or Less: Tell us a Story with Your Data

* Using the visualization tools learned so far, students will work on a data pictorial they created to submit to tomorrow's Data Storytelling contest; Prizes awarded to top three data storytellers of the week!

Instructor: Workshop Staff and Storytelling Coaches

Who should attend: All students

Software and Web Tools Used: n/a

Room 101

4:45 – 5:00 p.m. Evaluations Room 101