Schedule

Week 1 (Jan 23) Introductions, Logistics

Week 2 (Jan 28, 30) Getting Set Up, Intro to R, Scripting, Github
Introduction of Wickham and Grolemund
Intro to Visualization, Accessing Literature
Ch 1- Visualization, Ch 2- Workflow basics

Week 3 (Feb 4, 6) Intro to Visualization, Accessing Literature
Ch 1- Visualization, Ch 2- Workflow basics
Meet at library on Feb 6 with Christina Chan-Park

Week 4 (Feb 11, 13) Data Import, File Export, Syntax
Ch 4- Workflow: code style, Ch 6- Workflow: scripts and projects, Ch 7- Data import

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Week 5 (Feb 18, 20) Data Wrangling, Transformation, More Visualization
Ch 3- Data transformation, Ch 5- Data tidying

Week 6 (Feb 25, 27) ***Problem Set #1 (due Fri Feb 28 by 6pm)***

Week 7 (Mar 4, 6) Review, More Visualization, Github Logistics, Tutorial Logistics
Ch 9- Layers, Ch 10- Exploratory data analysis

Spring Break (Mar 8 to 16)

Week 8 (Mar 18, 20) More Visualization, Object Classes, More Syntax, Functions, Logic
Ch 13- Numbers, Ch 14- Strings, Ch 16- Factors, Ch 17- Dates and times, Ch 25- Functions

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Week 9 (Mar 25, 27) More Visualization, Object Classes, More Syntax, Functions, Logic
Peer Review of Tutorial Prospectus Drafts (Mar 25)

Week 10 (Apr 1, 3) Introduction to Data Policies
Tutorial Prospectus Due (Apr 1), Present Tutorial Prospectus (Apr 1)

Week 11 (Apr 8- no class (Diadeloso), Apr 10) Data Policies, FAIR Data Principles, Publishing Data and Code, Metadata

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Week 12 (Apr 15, 17) ***Problem Set #2 (due Thurs Apr 17 by 6pm)***

Week 13 (Apr 22, 24) Review, Work on Tutorials, Systematic Reviews and Bibliometrics
Meet on Apr 24 with Christina Chan-Park

Week 14 (Apr 29, May 1) Bonus Material, Work on Tutorials
Present Tutorials

Week 15 (May 6, May 8) ***Present Tutorials, Tutorial files due Fri May 9 by 6pm***