

## Schedule

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Week 1 (Jan 23) Introductions, Logistics

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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

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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, GRC 201B in Poage Library*

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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

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

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Week 7 (Mar 4, 6) Review, More Visualization, Github Logistics, Tutorial Logistics

Ch 9- Layers, Ch 10- Exploratory data analysis

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Spring Break (Mar 8 to 16)

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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)*

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Week 10 (Apr 1, 3) Introduction to Data Policies

***Tutorial Prospectus Due (Apr 1), Present Tutorial Prospectus (Apr 1)***

Thurs Apr 3 [Data Policies of Scientific Data](https://www.nature.com/sdata/policies/data-policies) <https://www.nature.com/sdata/policies/data-policies>

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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)***

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Week 13 (Apr 22, 24) Review, Work on Tutorials, Systematic Reviews and Bibliometrics

*Meet on Apr 24 with Christina Chan-Park*

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

*Present Tutorials*

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