

PSYC 259: Principles of Data Science

Prof. John M. Franchak

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E-mail: franchak@ucr.edu

<https://github.com/PSYC-259-Data-Science>

Office Hours: By Appointment

Class Hours: W 1:30-4:20 PM

<https://ucr.zoom.us/my/johnfranchak>

<https://ucr.zoom.us/j/97985633776>

Course Description

You'll learn stuff in this class, I hope. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas scelerisque elit sapien, eu consequat dui blandit in. Vestibulum dignissim feugiat mauris, at pretium turpis blandit nec. Aliquam porta scelerisque tortor, eget imperdiet quam dapibus et. Sed ut sollicitudin orci, id elementum arcu. Sed arcu quam, vestibulum molestie mattis sed, ultricies sed est. Phasellus eu nunc et urna volutpat pharetra. Donec interdum ante vitae odio malesuada blandit. Fusce at condimentum libero, eu elementum arcu. Aenean posuere id lorem in varius. Sed bibendum neque pretium dolor faucibus, in cursus ipsum suscipit. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam erat volutpat. Phasellus mollis egestas risus, non maximus nisl euismod sit amet. Vestibulum laoreet et urna vitae rutrum. Donec quis dui elit.

Course Objectives

1. You'll learn this
2. And also that
3. Perhaps some of this too.

Course Materials

- The course [Github page](#) has links to project files, readings, and the syllabus
- We will work through examples and complete assignments through a course workspace on [RStudio Online](#). To sign up, follow this [link](#). You will need to create a free user account. We will go over how to access materials on the first day of class.
- Readings from *R for Data Science* (Wickham & Grolemund, 2017) are available [online](#)
- Other course readings available on Github and are referenced below

Course Policy

I will detail the policy for this course below. Basically, don't cheat and try to learn stuff. Don't be that guy.

Grading Policy

- 20% of your grade will be determined by a midterm during normal class hours.
- 20% of your grade will be determined by a term paper that documents your appreciation of Foghat's "Slow Ride", the most important song ever written. "Slow Ride" is what Mozart wishes *Don Giovanni* could have been.
- 10% of your grade will be determined by your attendance and participation in class. Generally, ask questions and answer them.
- 20% of your grade will be determined by a 20-page term paper on when exactly "The Love Boat" jumped the proverbial shark. You will address whether this shark-jumping can be attributed to Ted McGinley, the introduction of Jill Whelan as "Vicki", or some other cause.
- 30% of your grade will be determined by a final exam.

Class Schedule

Students must read the following before Tuesday's class session. Important: class readings are subject to change, contingent on mitigating circumstances and the progress we make as a class. Students are encouraged to attend lectures and check the course website for updates.

Week 01, 01/06: Course Goals

(Klein et al., 2018)

Week 02, 01/13:

(Rouder, Haaf, & Snyder, 2019)

Week 03, 01/20:

Week 04, 01/27:

(Wickham & others, 2014)

Week 05, 02/03:

Week 06, 02/10:

Week 07, 02/17:

Week 08, 02/24:

Week 09, 03/03:

Week 10, 03/10:

References

- Klein, O., Hardwicke, T. E., Aust, F., Breuer, J., Danielsson, H., Hofelich Mohr, A., ... Frank, M. C. (2018). A practical guide for transparency in psychological science. *Collabra: Psychology*, 4(1), 1–15.
- Rouder, J. N., Haaf, J. M., & Snyder, H. K. (2019). Minimizing mistakes in psychological science. *Advances in Methods and Practices in Psychological Science*, 2(1), 3–11. doi:[10.1177/2515245918801915](https://doi.org/10.1177/2515245918801915)
- Wickham, H., & Grolemund, G. (2017). *R for data science: Import, tidy, transform, visualize, and model data*. "O'Reilly Media, Inc."
- Wickham, H., & others. (2014). Tidy data. *Journal of Statistical Software*, 59(10), 1–23.