

MSDA 607 - Project 2

Project 2 is due end of day on Sunday March 15th. You may work in a small group on this assignment. Most of your course grade is based on your project work—please start early and reach out for help early if you need it.



In your second project, you are asked to perform an exploratory data analysis that compares data sets.

Here is the data to be analyzed--it is actually four short data sets:

| I | | II | | III | | IV | |
|------|-------|------|------|------|-------|------|-------|
| x | y | x | y | x | y | x | y |
| 10.0 | 8.04 | 10.0 | 9.14 | 10.0 | 7.46 | 8.0 | 6.58 |
| 8.0 | 6.95 | 8.0 | 8.14 | 8.0 | 6.77 | 8.0 | 5.76 |
| 13.0 | 7.58 | 13.0 | 8.74 | 13.0 | 12.74 | 8.0 | 7.71 |
| 9.0 | 8.81 | 9.0 | 8.77 | 9.0 | 7.11 | 8.0 | 8.84 |
| 11.0 | 8.33 | 11.0 | 9.26 | 11.0 | 7.81 | 8.0 | 8.47 |
| 14.0 | 9.96 | 14.0 | 8.10 | 14.0 | 8.84 | 8.0 | 7.04 |
| 6.0 | 7.24 | 6.0 | 6.13 | 6.0 | 6.08 | 8.0 | 5.25 |
| 4.0 | 4.26 | 4.0 | 3.10 | 4.0 | 5.39 | 19.0 | 12.50 |
| 12.0 | 10.84 | 12.0 | 9.13 | 12.0 | 8.15 | 8.0 | 5.56 |
| 7.0 | 4.82 | 7.0 | 7.26 | 7.0 | 6.42 | 8.0 | 7.91 |
| 5.0 | 5.68 | 5.0 | 4.74 | 5.0 | 5.73 | 8.0 | 6.89 |

We hope that you'll find this project to be interesting, informative, and even *fun*. Your grade will be based on your demonstrated ability to:

- **Use ggplot2** with R.
- **Draw conclusions** from your exploratory data analysis.
- Deliver your code and conclusions in a single R Markdown file on rpubs.com or [github](https://github.com).

Deliver with pride! Please consider this--and all of your MSDA projects--as part of the portfolio that you are building out to demonstrate your capabilities to your current (or future) employer.