# DV

Jane Doe

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# Telling stories with R: Data Visualization

**Instructor**: Jan Zilinsky

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Creating effective visualizations of social and political data can help you discover and comm
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- summaries of statistical models
- quantitative representations of text (e.g. content of social media post and the accompanyin
- macro-economic data
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Students are encouraged to think creatively about visualizing different types of information
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After taking this course, students will be expected to be able to present real data clearly a
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**Assignments:**

- Create your own dataset (30%).
  - Create your own dataset. It needs to have at least one of these 3 attributes
    1. Multiple levels (at least 2).
    2. Original topic, subject or angle.
    3. Impressive scope (e.g. time dimension)
  - Easy example of #1: rating things you like.
    * Suppose you decide go the "quantified self" route and create a dataset with evaluations the favorite TV shows of the members of your group.
    * What's the outcome variable? (Multiple attributes can be assessed.)
    * What levels can be measured?
      · If you are rating a TV show, the natural components would be seasons, and episodes. Within episodes there might be themes or actors. Unpacking these attributes opens possibilities for creating stories, making interactive visualizations, etc.
- Final project (70%)
  - Form a group of 3 (max. 4) classmates
  - Start thinking about topic after lecture 3

      – Prepare a compelling data visualization

      – Some elements in R are expected, you could also use D3 or another language if you
        wish.

**Expectations**

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- Please use your devices only to take notes
- No multitasking
- You are already fluent in R and R Studio
- Get the most recent version of R; Install R Studio; install the tidyverse library
```

# 1 Summary

In summary, this book has no content whatsoever.

```
1 + 1
```

```
[1] 2
```

# 2 Summary

In summary, this book has no content whatsoever.

```
1 + 1
```

```
[1] 2
```

# 3 Summary

In summary, this book has no content whatsoever.

```
1 + 1
```

[1] 2

# 4 Summary

In summary, this book has no content whatsoever.

```r
1 + 1
```

[1] 2

# 5 Summary

In summary, this book has no content whatsoever.

```
1 + 1
```

```
[1] 2
```

# References

**Useful resources include:**

Gestalt Principles

Gestalt Principles (Part 2)

https://socviz.co/

https://ggplot2-book.org/index.html

https://cssbook.net/content/chapter06.html

https://storymaps.arcgis.com/stories/1e7f582d478a4b99bd0c70fffeac4c8b

https://cup.columbia.edu/book/better-data-visualizations/9780231193115

https://journals.sagepub.com/doi/pdf/10.1177/15291006211057899