

Sample

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Welcome to the Presentation

This is the first slide with some introductory content.

Welcome!

Subtitle

This is an R Markdown presentation. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document.

Slide with Bullets

- Bullet 1
- Bullet 2
- Bullet 3

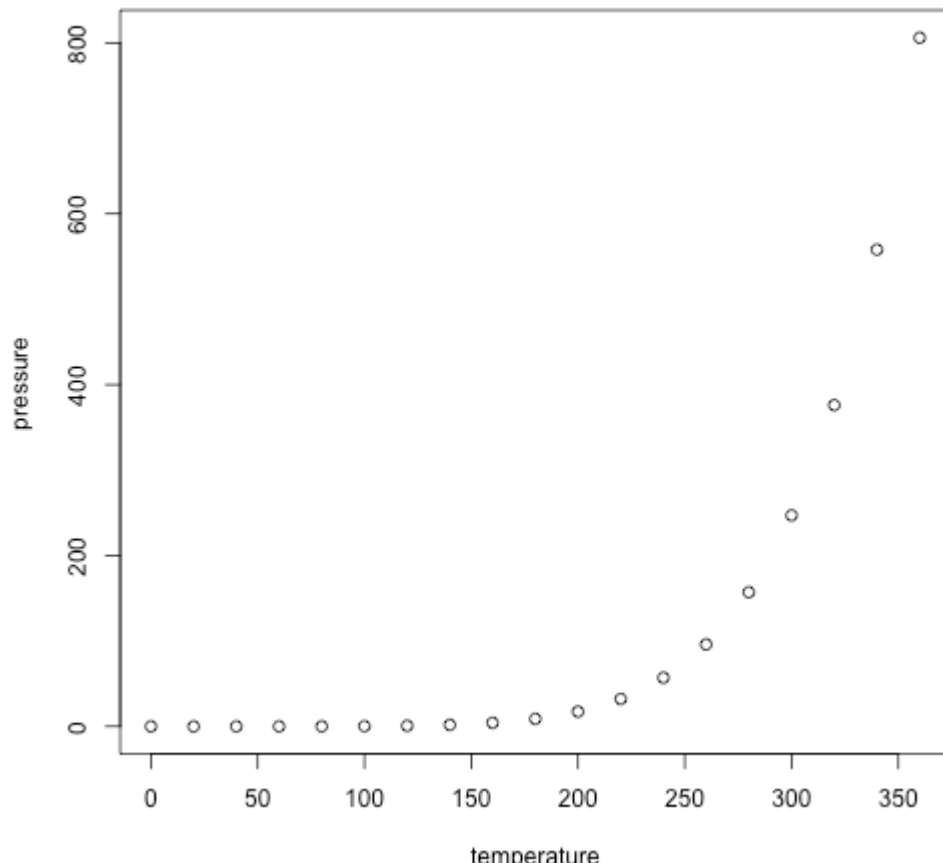
Slide with R Output

```
summary(cars)
```

```
##           speed           dist
##  Min.      : 4.0      Min.      : 2.00
## 1st Qu.:12.0      1st Qu.: 26.00
## Median :15.0      Median : 36.00
## Mean   :15.4      Mean     : 42.98
## 3rd Qu.:19.0      3rd Qu.: 56.00
## Max.   :25.0      Max.     :120.00
```

Slide with Plot

```
plot(pressure)
```



Slide with different colors

This **simple** demo *shows* the colors *in* action.

Motivation

Images

2017-Jul-07 11:56:01.657 PM

background-image: url("images/aircanada_759.jpg") background-size: contain



Example: Technical Errors

- Consider Ciacci (2024, *Journal of Population Economics*): criminalising sex work \uparrow rape

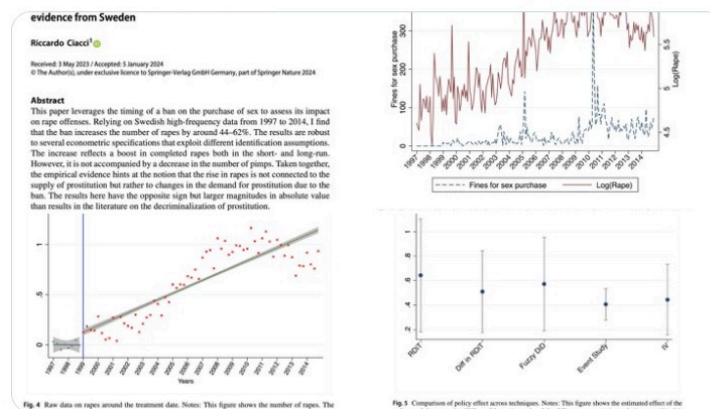


John B. Holbein

@JohnHolbein1

Banning the purchase of sex increases cases of rape.

[link.springer.com/article/10.100...](https://link.springer.com/article/10.1007/s00148-024-01000-0)



Reproducibility vs. Replicability

What exactly is reproducibility and how does it differ from replicability (which often gets most of the attention)?

Reproducibility:

- 'Can I **reproduce** your **workflow**?'
- Goal: Integrity of the pipeline.
- Using **your** code and data to reproduce your **results**.
- Code that is:
 - Comprehensible
 - Traceable
 - Testable

Replicability:

- 'Can I **replicate** your **study**?'
- Goal: Accuracy of the science.
- Using **new** code, and possibly data, to re-conduct your **study**
- Replicability relies on strong reproducibility...
- ... without it, people don't know what you did!
- But replication is more expansive than reproduction.

