Advanced Data Analysis in R

Advanced `rmarkdown`

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Why is `rmarkdown` important?

It's all about communication and documentation!

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2. Our reports change change with our data

Reproducibility

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- No more of this https://youtu.be/s3JldKoA0zw

Sold? So how do I do it?

Rmarkdown integrates R and the Markdown language into a single method

Rmarkdown documents end in `.Rmd` extension

Can be created from within the R Studio Integrated Development Environment (IDE)

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  - ...
- Specific commands can be issued depending on the output used (LaTeXand/or html tags)

Building Your Documents

Parts of An R Markdown Documents

yml header instructs to pandoc engine how to build the documents

```
---
title:
subtitle:
author:
date:
output:
---
```

Other Resources

Rmarkdown

R Studio Cheat Sheets for the basic commands

Introduction to Rmarkdown for the basic ideas and getting started

R Markdown Definitive Guide for the details for how Rmarkdown works