# **Using Databases**

Cheat Sheet



#### **Basics**

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1. Use a **layout** that flows and makes it easy to zero in on specific topics.

2. Use **visualizations** to explain concepts quickly and concisely.



3. Use visual elements to make the sheet scannable.



- geom\_area()
- x, y, alpha, color, fill, linetype, size



- geom\_line()
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- 4. Use visual **emphasis** (like color, size, and font weight) to make important information easy to find.

dplyr::bind\_rows(y, z)

Append z to y as new rows.

# **Title** - Group sections with titles, subtitles, and subsubtitles to create a visual hierarchy

#### **Layout suggestions**

Use headers, outlines, and/or backgrounds to separate or group together sections.

Section 1 Section 2 Section 3

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## Title

#### Subtitle

Subsubtitle

**Fit sections to content**. Try several different layouts.

Use numbers or arrows to link sections if the order/**flow** is confusing.

#### **Useful elements**

icons



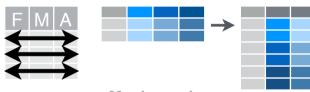




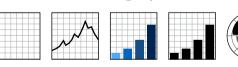


These are just font awesome characters

#### Mock tables



#### Mock graphs



#### **Tables**

| expect_equal()     | is equal within small numerical     |
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#### Example code

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Copy with values shifted by 1.

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Ranks with no gaps.

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Bin vector into n buckets.

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Are values between a and b?

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Cumulative distribution.

#### **Code snippets**

ggplot(mpg, aes(hwy, cty)) + geom point(aes(color = cyl)) + geom smooth(method ="lm") + coord cartesian() + scale\_color\_gradient() + theme bw() explaining Word can be

useful for balloons

#### **Color Scheme**

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**Greys** - Programming topics

**Purples** - Reporting topics (knitr, R Markdown, etc.)

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Warm Colors - Data

Manipulation and modeling topics

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# **Three Column** layout

Cheat Sheet



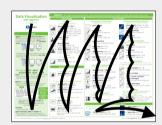
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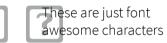
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#### icons





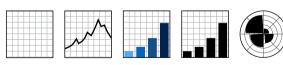




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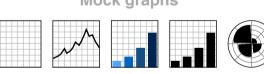


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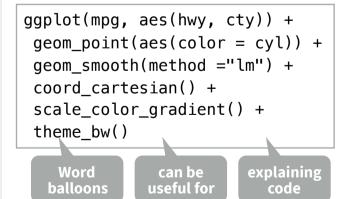
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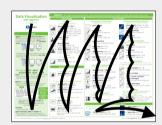
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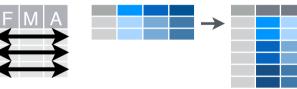




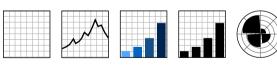


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