

# ~~TileMill~~ Mapbox Studio Fundamentals

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# Introduction

- Mapbox
- Presenters
- Mapbox Studio
- This workshop



# Mapbox Studio

- Create & publish custom styles
- Create & publish custom sources
- Leverage Mapbox rendering
  - In-app or on our web backend
  - Serves rasterized map tiles

# Download & Install

- [mapbox.com/mapbox-studio](https://mapbox.com/mapbox-studio)
- Cross-platform
  - Windows, OS X, Linux
- One-click app launcher



# Signup

- Starter account ok for vector tile access
  - \$0 / 3,000 map views (45k tiles) per month
- But Standard or above needed for publishing
  - \$49 / 100k map views (1.5M tiles) per month
  - Use coupon discount code **FOSS4GSTUDIO** for 3 free months

# Signup

- [mapbox.com/signup](https://mapbox.com/signup)
- Coupon: **FOSS4GSTUDIO**

Mapbox



# Mapbox

Connect to your Mapbox  
account to get started.

 Connect

## Authorize your account



**Mapbox Studio** will be able to read and write to maps in your account.



**Mapbox Studio** will not be able to access your password or other private information.

You can revoke this authorization at any time from your **Account** page.

Deny

Allow

Not **Justin Miller**? [Sign out](#)



Setup Break

# Projects: Styles & Sources

- Mapbox Studio is just as much a data editor as it is for styling
- We'll start with styling Mapbox Streets, a vector tile source
- We'll get into custom sources a little later

# Interface Tour

# CartoCSS

- CartoCSS is code
  - Very much like CSS
- Through (light) code, you style sources

```
#borders {  
    line-color: #fff;  
    line-width: 3;  
}
```

# Symbolizers

- Line (for lines & polygons)
- Polygon (for polygons)
- Point (for points)
- Text (for points, lines, and polygons)
- Shield (for points & lines)
- Line Pattern (for lines & polygons)
- Polygon Pattern (for polygons)
- Raster (for rasters)
- Markers (for points, lines, & polygons)
- Buildings

# Commenting Code

- Surround code with `/*` and `*/`
  - Works for multiple lines, too
- Preface code with `//`
  - Works for single lines only

# Using Variables

- Variables for features

```
@water: #000;
```

- Variables for scale or zoom

```
@z1: 1.5;
```



# Styling Demo

Styling Break

# Sources

- Sources are packages of data
- You can use custom, local sources
- But you can also upload them to Mapbox
  - Able to be used in published styles
  - Highly optimized into vector tiles

# Supported Formats

- Shapefiles
- GeoJSON
- SQLite geo DBs
- PostGIS DBs
- GeoTIFF (raster)
- VRT
- KML
- GPX
- CSV (with lat & lon)
- Geodatabase

# Source Demo

[tinyurl.com/cartskml](https://tinyurl.com/cartskml)

Source Break

# For More Info

- [mapbox.com/mapbox-studio](https://mapbox.com/mapbox-studio)
- Email [help@mapbox.com](mailto:help@mapbox.com)
- **`irc.freenode.net #mapbox`**
- Email [justin / rafa / dane@mapbox.com](mailto:justin / rafa / dane@mapbox.com)

