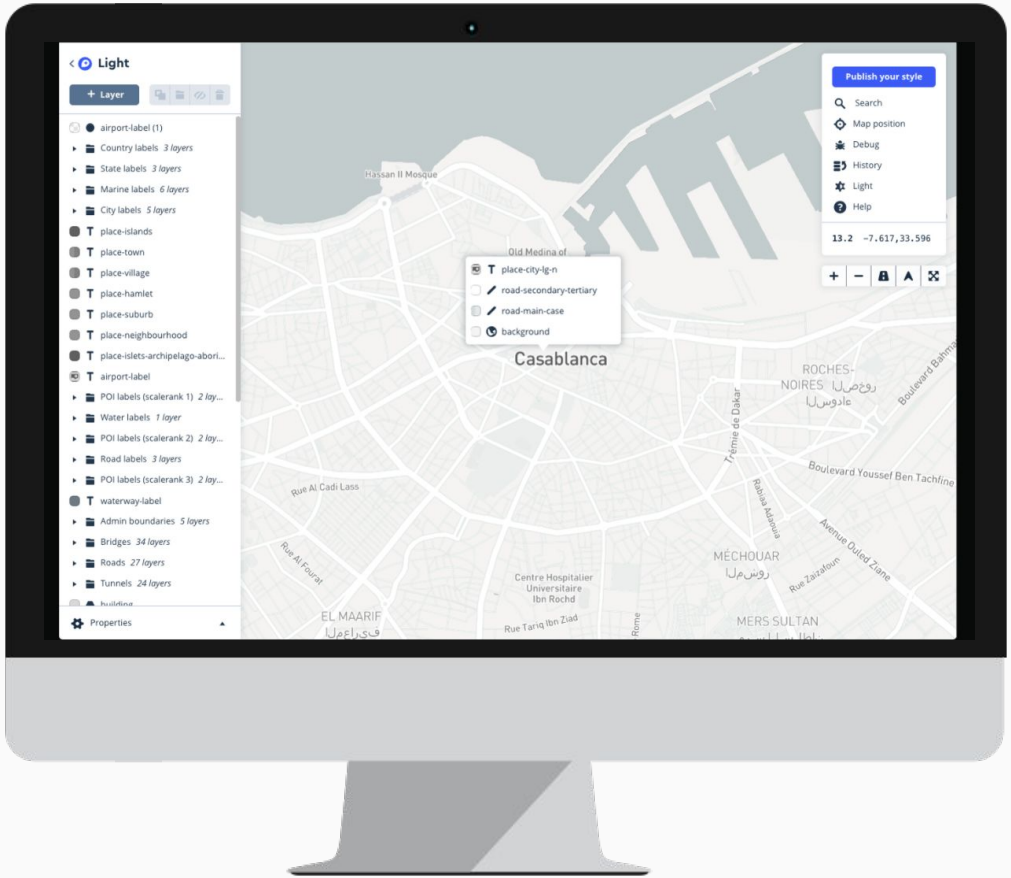
mapbox

Mapbox Studio Overview

Mapbox Studio

A tool that allows you to manage and optimize geospatial data and design custom map styles.



Create datasets

with the Mapbox Studio dataset editor.

Create tilesets

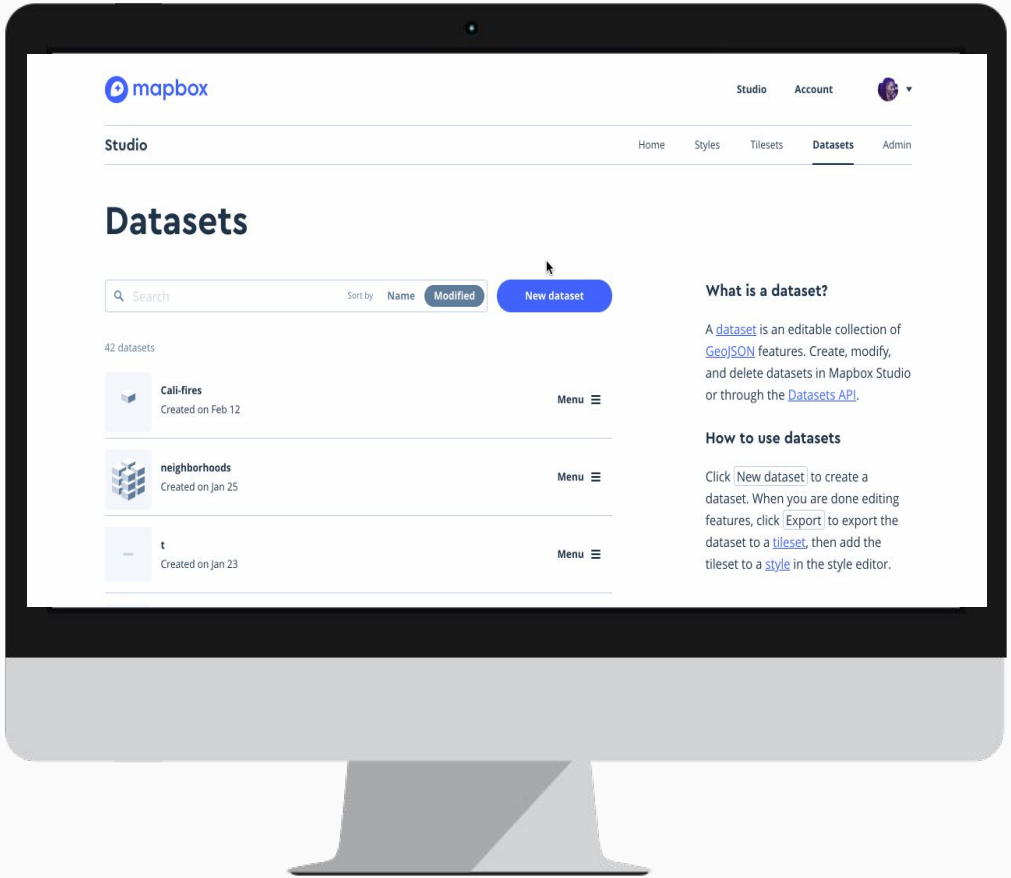
to add custom data to map styles.

Create map styles

with the Mapbox Studio style editor.

Datasets

Studio allows you to manage and maintain geospatial data.

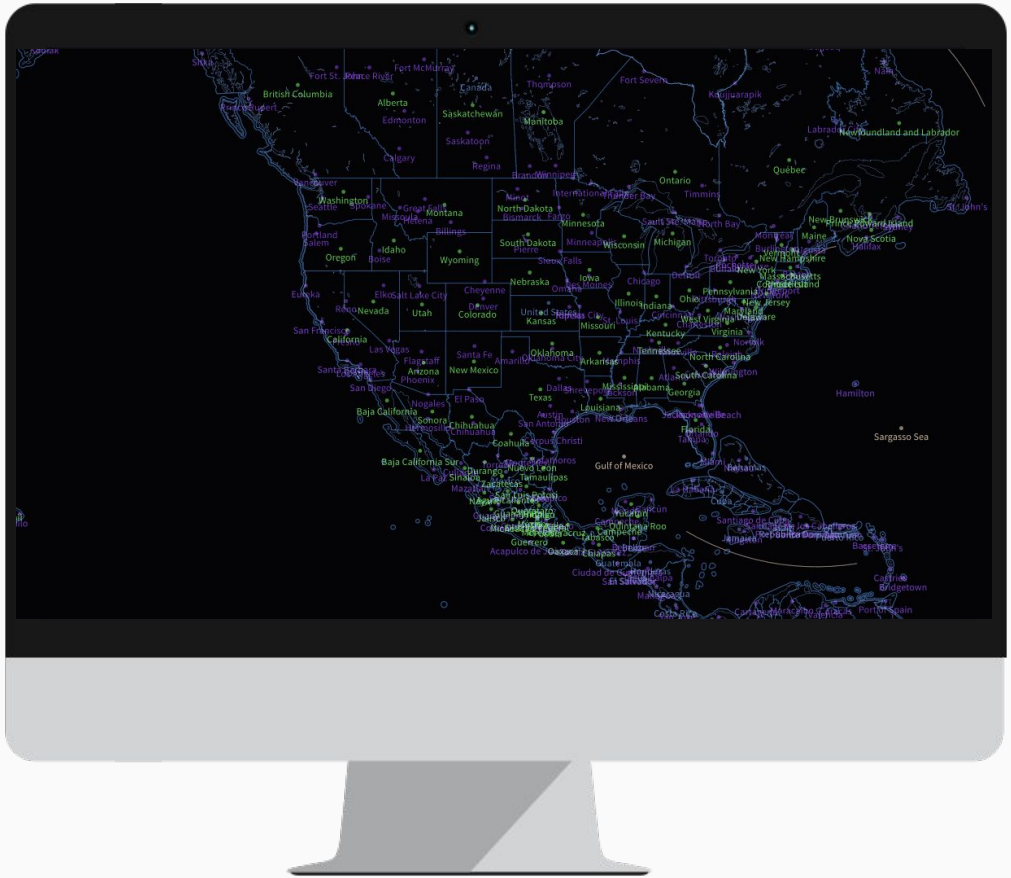


Tilesets

Studio allows convert custom data into performant web and mobile ready vector tiles.

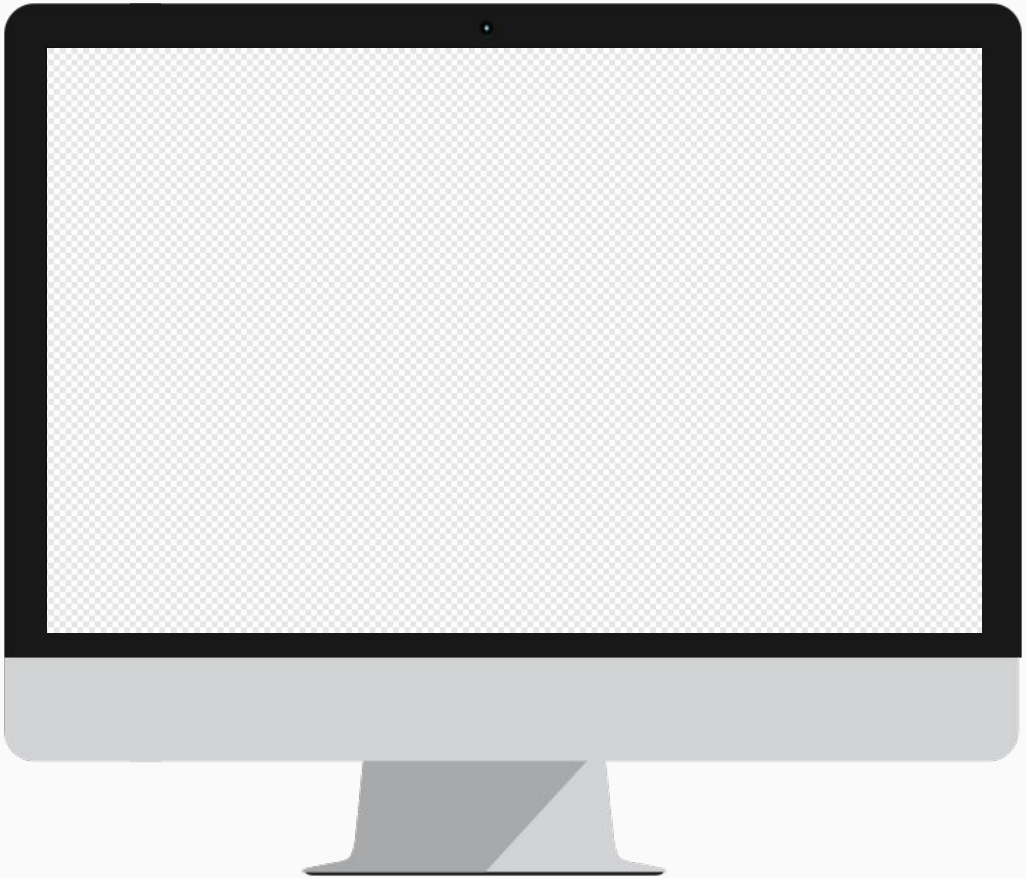
Tilesets are performant

Tilesets are made up of vector tiles and are developed for caching, scaling and serving map imagery rapidly.



Custom map styles

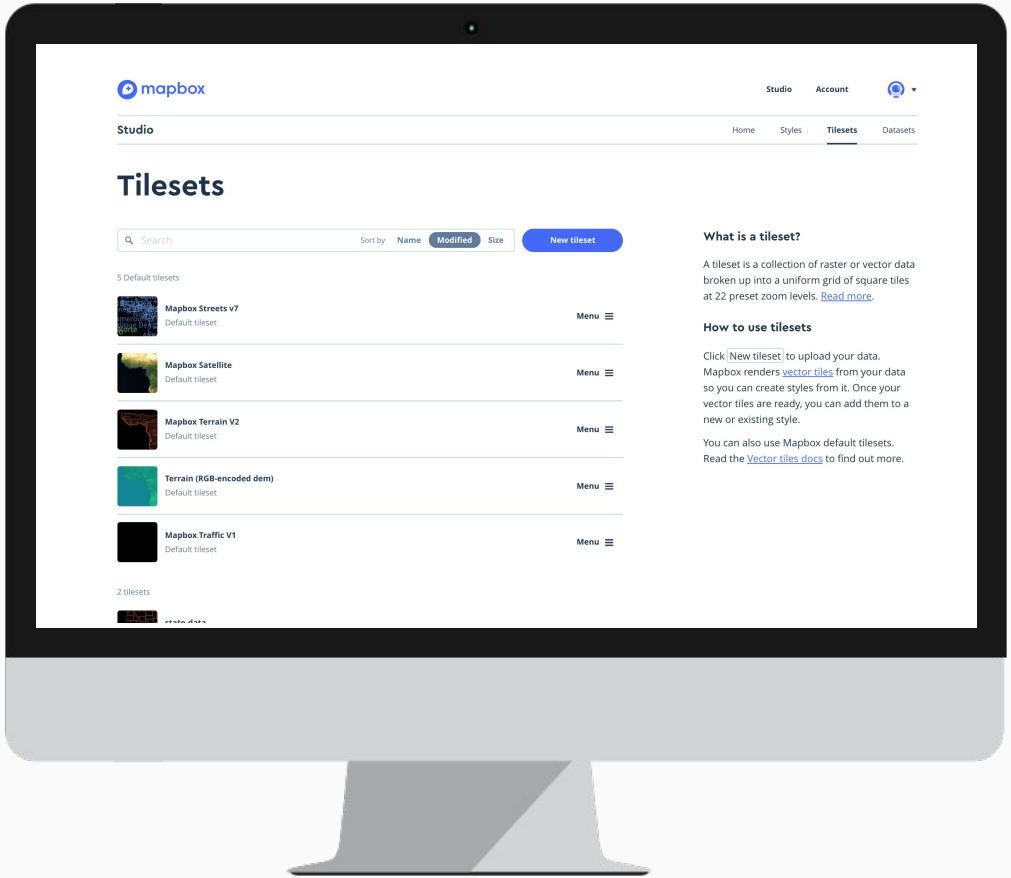
Studio also allows you to apply and change paint properties for any and every piece of data on your map, layer by layer.



Mapbox-provided

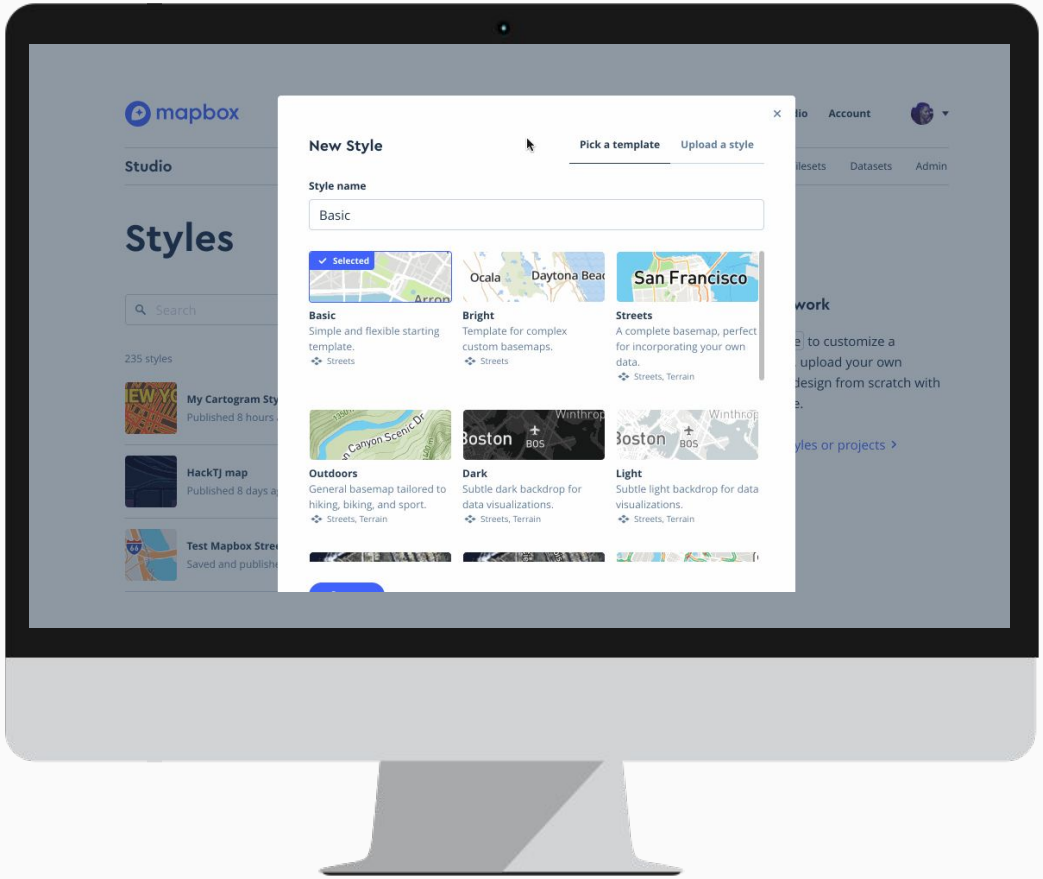
Mapbox Vector Tilesets

Five Mapbox-provided vector tilesets: Mapbox Streets, Mapbox Satellite, Mapbox Terrain, Terrain (DEM), and Mapbox Traffic.



Mapbox core map styles

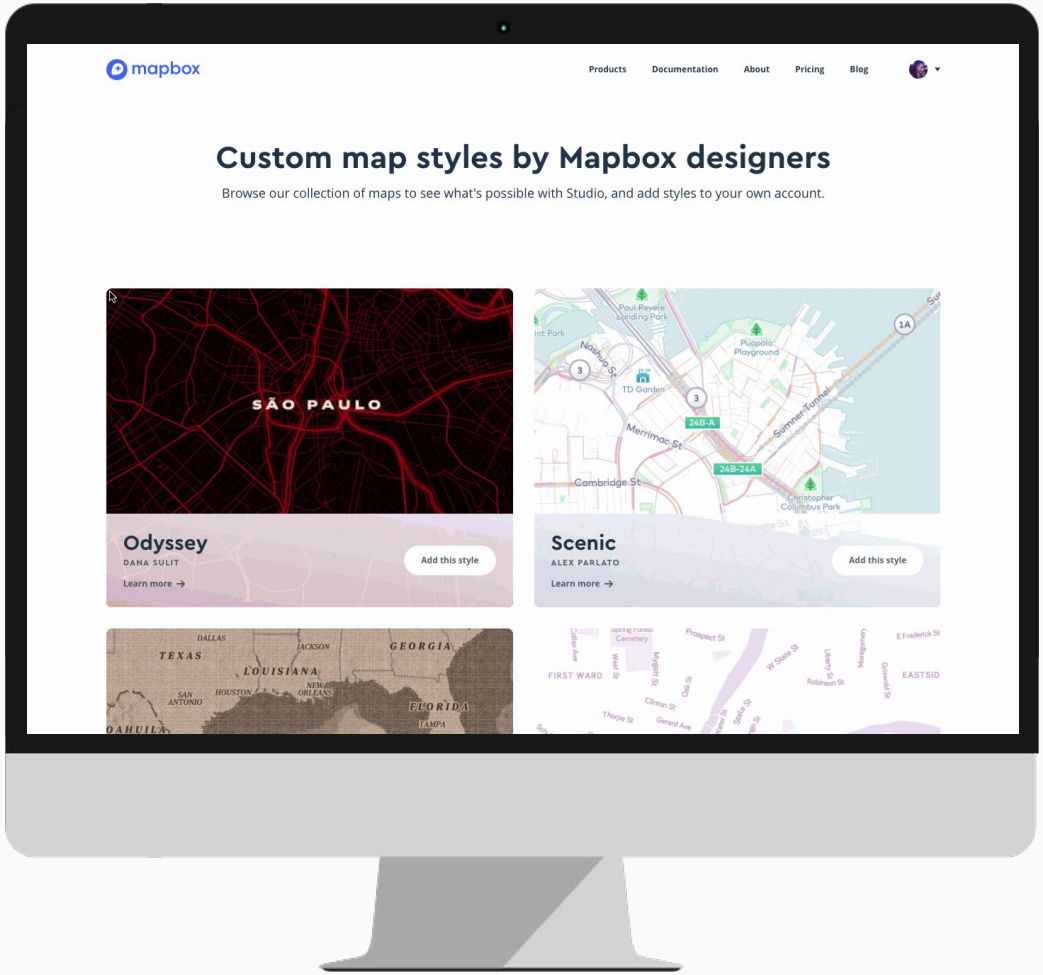
Built-in “template” map styles designed and maintained by the Mapbox cartography team: Mapbox Streets, Mapbox Outdoors, Mapbox Light & Dark, Mapbox Satellite & Satellite Streets, and more



Mapbox designer maps

Designer style release periodically by our internal team: https://www.mapbox.com/designer-maps/

Subscribe to get them in your inbox: https://www.mapbox.com/subscribe/

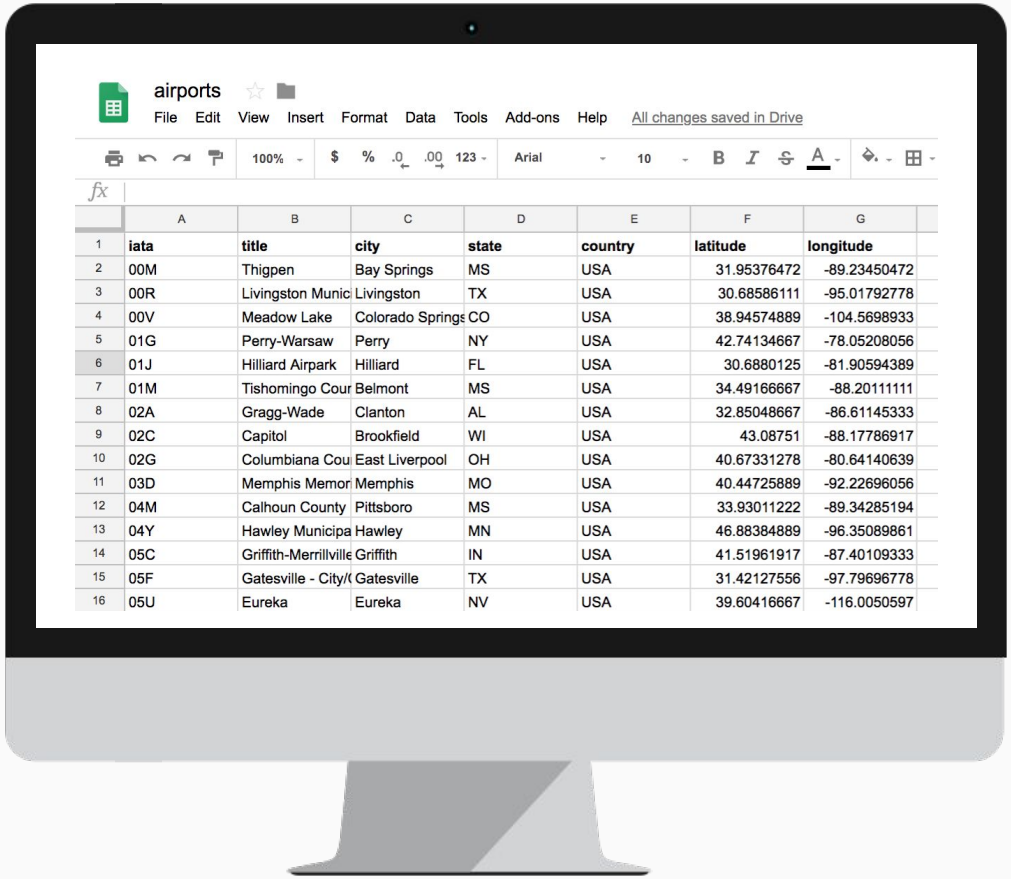


Mapbox file types

CSV, GeoJSON, MBTiles, KML, GPX, Shapefiles, and GeoTIFF

CSV

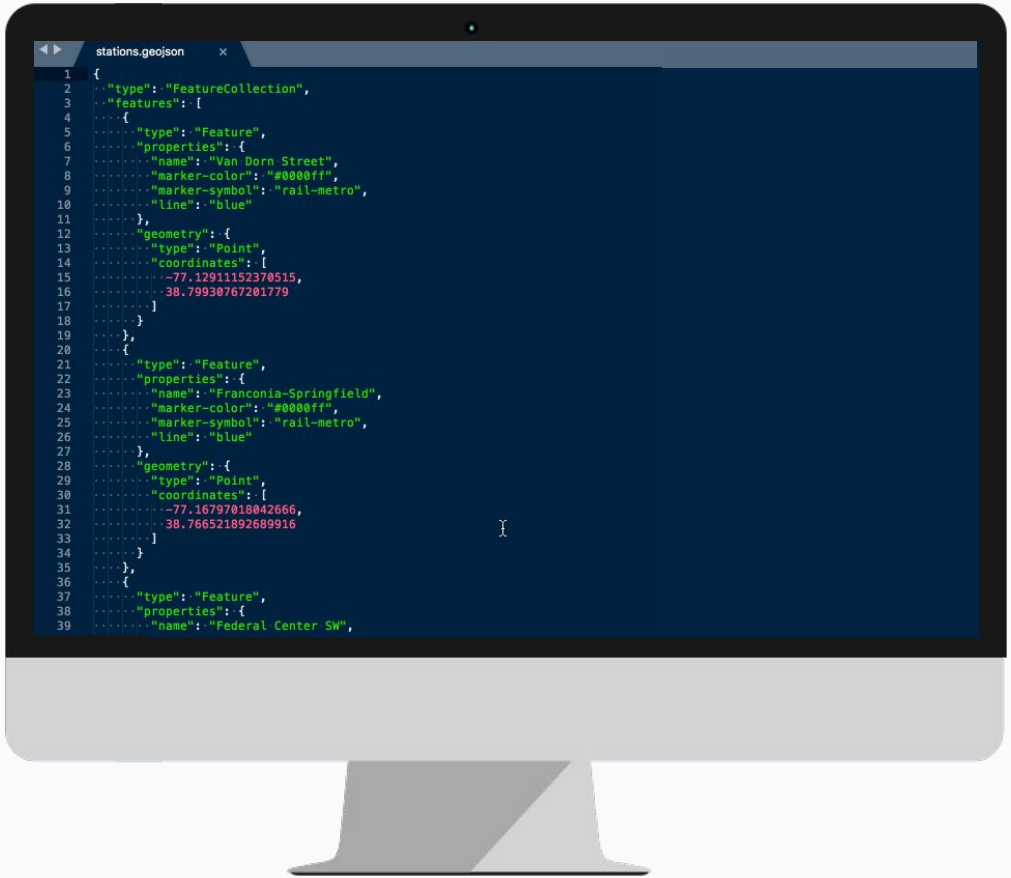
CSV or comma-separated values format is common for table data, like the kind you may use in Excel or other spreadsheets. CSVs need latitude and longitude data.



	A	B	C	D	E	F	G
1	**iata**	**title**	**city**	**state**	**country**	**latitude**	**longitude**
2	00M	Thigpen	Bay Springs	MS	USA	31.95376472	-89.23450472
3	00R	Livingston Munic	Livingston	TX	USA	30.68586111	-95.01792778
4	00V	Meadow Lake	Colorado Springs	CO	USA	38.94574889	-104.5698933
5	01G	Perry-Warsaw	Perry	NY	USA	42.74134667	-78.05208056
6	01J	Hilliard Airpark	Hilliard	FL	USA	30.6880125	-81.90594389
7	01M	Tishomingo Cour	Belmont	MS	USA	34.49166667	-88.20111111
8	02A	Gragg-Wade	Clanton	AL	USA	32.85048667	-86.61145333
9	02C	Capitol	Brookfield	WI	USA	43.08751	-88.17786917
10	02G	Columbiana Cou	East Liverpool	OH	USA	40.67331278	-80.64140639
11	03D	Memphis Memor	Memphis	MO	USA	40.44725889	-92.22696056
12	04M	Calhoun County	Pittsboro	MS	USA	33.93011222	-89.34285194
13	04Y	Hawley Municipa	Hawley	MN	USA	46.88384889	-96.35089861
14	05C	Griffith-Merrillville	Griffith	IN	USA	41.51961917	-87.40109333
15	05F	Gatesville - City/(	Gatesville	TX	USA	31.42127556	-97.79696778
16	05U	Eureka	Eureka	NV	USA	39.60416667	-116.0050597

GeoJSON

A common, performant file format for map data. As a subset of the JSON format, it can be parsed in modern software and native to the JavaScript language.

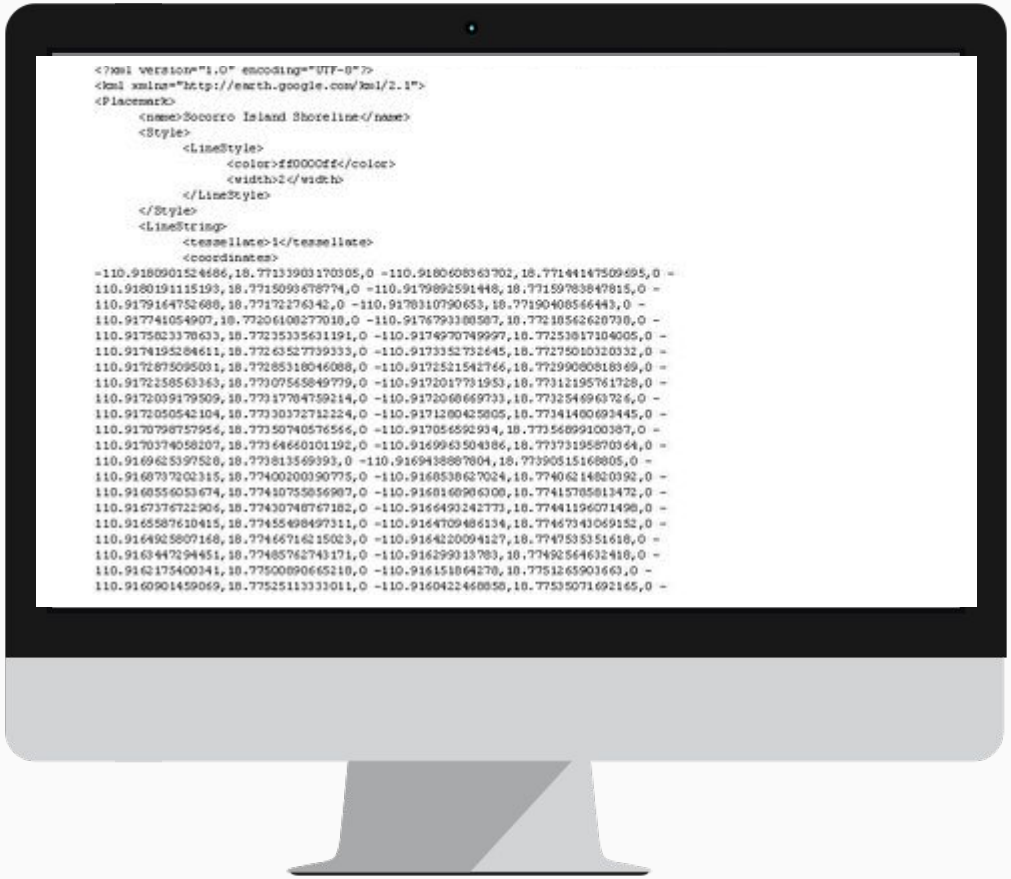


MBTiles

This is a file format for storing tilesets designed to package files that make up a tileset, move them around and eventually upload to Mapbox.

KML

LIke GeoJSON, but used commonly in Google products. Like GeoJSON, it can store points, lines, polygons, and vector data. Unlike GeoJSON, it's based on XML, rather than JSON.

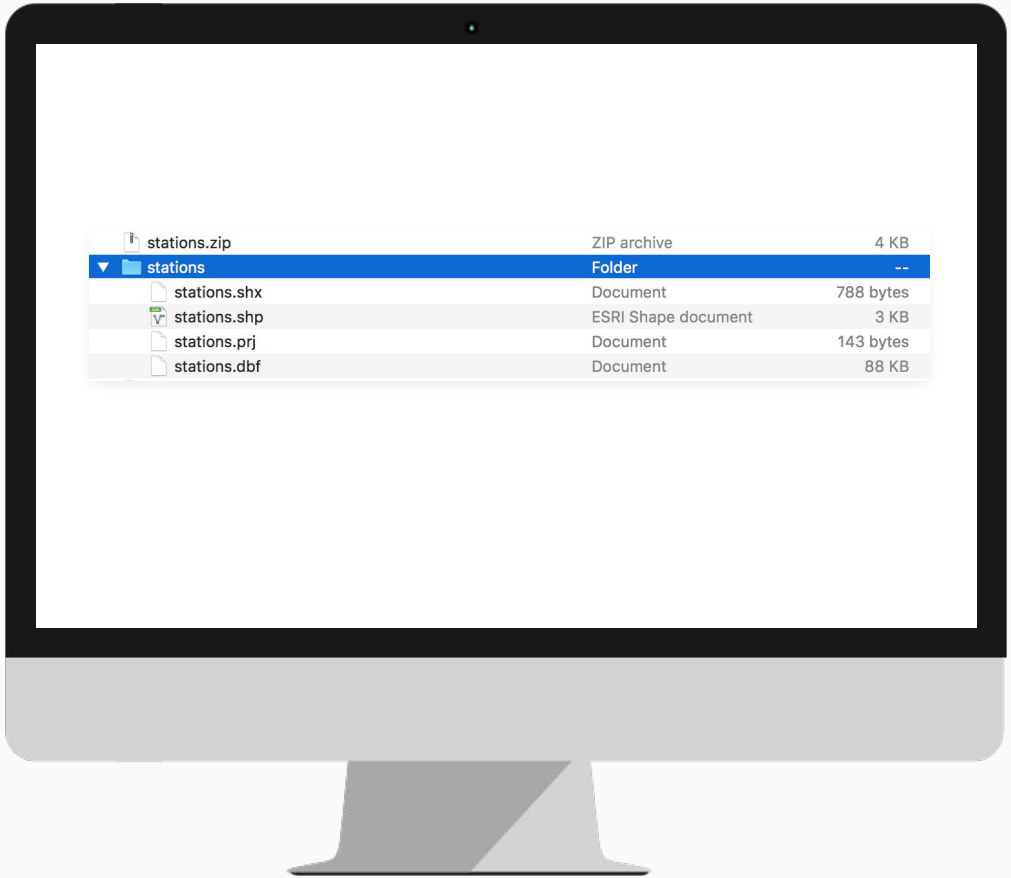


GPX

A data format commonly created from GPS receivers you can upload and use in custom styles.

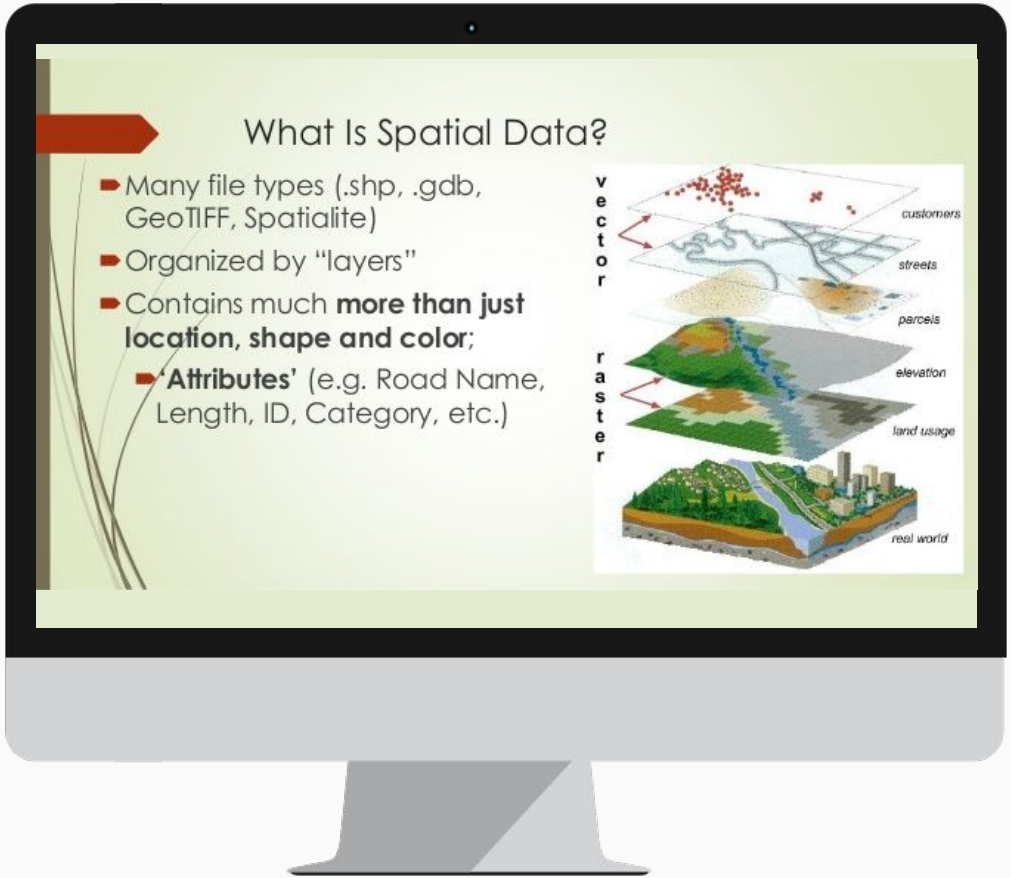
Shapefiles

A shapefile, also known as an Esri shapefile, is a file format for storing geographic vector data composed of many files. You must upload a zipped and complete file.



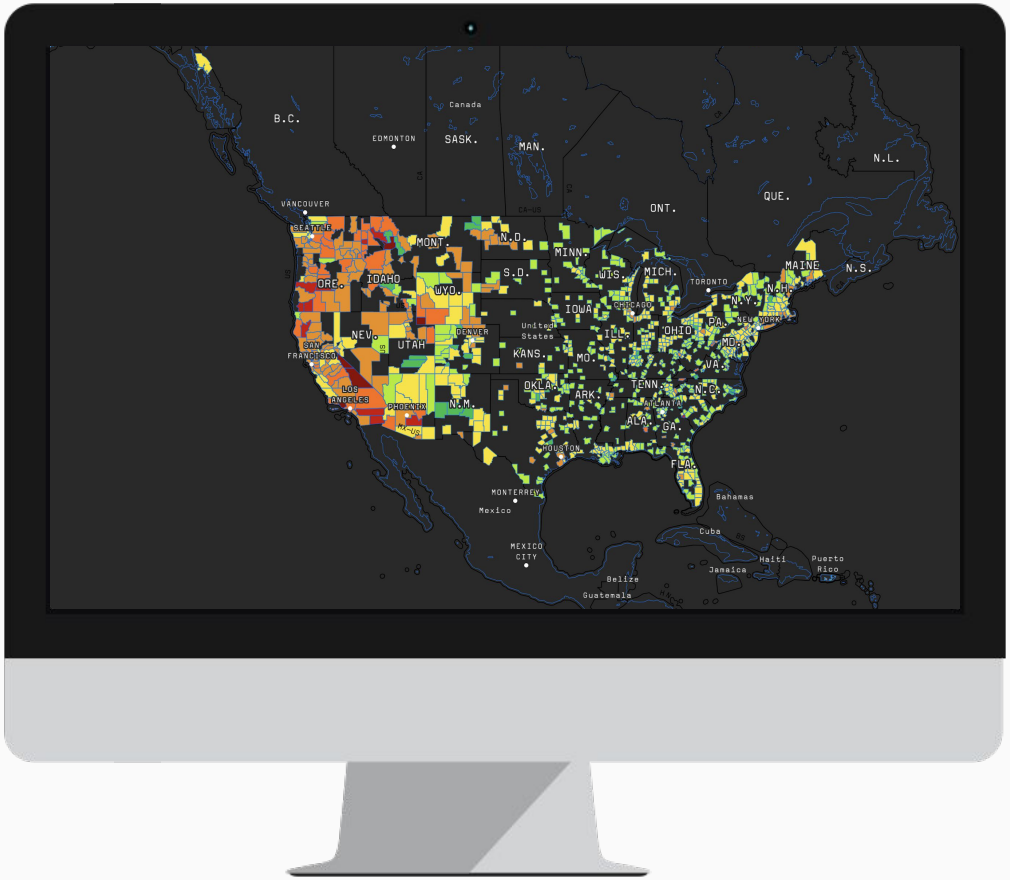
TIFF

File format for saving raster images. Must be GeoTIFFs, embedded with georeferencing information.



File type	Datasets	Tilesets	Transfer limits
CSV	✓	✓	5 Mb for datasets, 1 GB for tilesets
GeoJSON	✓	✓	5 Mb for datasets, 1 GB for tilesets
MBTiles		✓	25 GB
KML		✓	260 Mb with 15 layers or fewer
GPX		✓	260 Mb
Shapefile		✓	260 Mb (combined uncompressed size of .shp and .dbffiles). You must upload shapefiles as a compressed (.zip) file.
GeoTIFF		✓	10 GB

Mapbox Studio Demo


B.C.
Canada
EDMONTON
SASK.
MAN.
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VANCOUVER
ONT.
QUE.
SEATTLE
MONT.
N.D.
MINN.
MAINE
N.S.
S.D.
WIS.
MICH.
TORONTO
ORE.
IDAHO
WYO.
N.Y.
N.H.
CHICAGO
IOWA
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DENVER
ILL.
OHIO
PA.
NEW YORK
NEV.
UTAH
KANS.
MO.
MD.
SAN FRANCISCO
VA.
OKLA.
TENN.
N.C.
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GA.
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Haiti
Puerto Rico
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Guatemala

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NORWAY
RUSSIA
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