

# Justin Pan Demo Map

- Created by React, TypeScript, and ESRI JavaScript API
- Merged multiple ESRI JavaScript API samples into one web GIS map
- Original samples from ESRI are JavaScript, not React/TypeScript
- More functions / widgets can be added in the same way

```
Windows PowerShell
Compiled successfully!

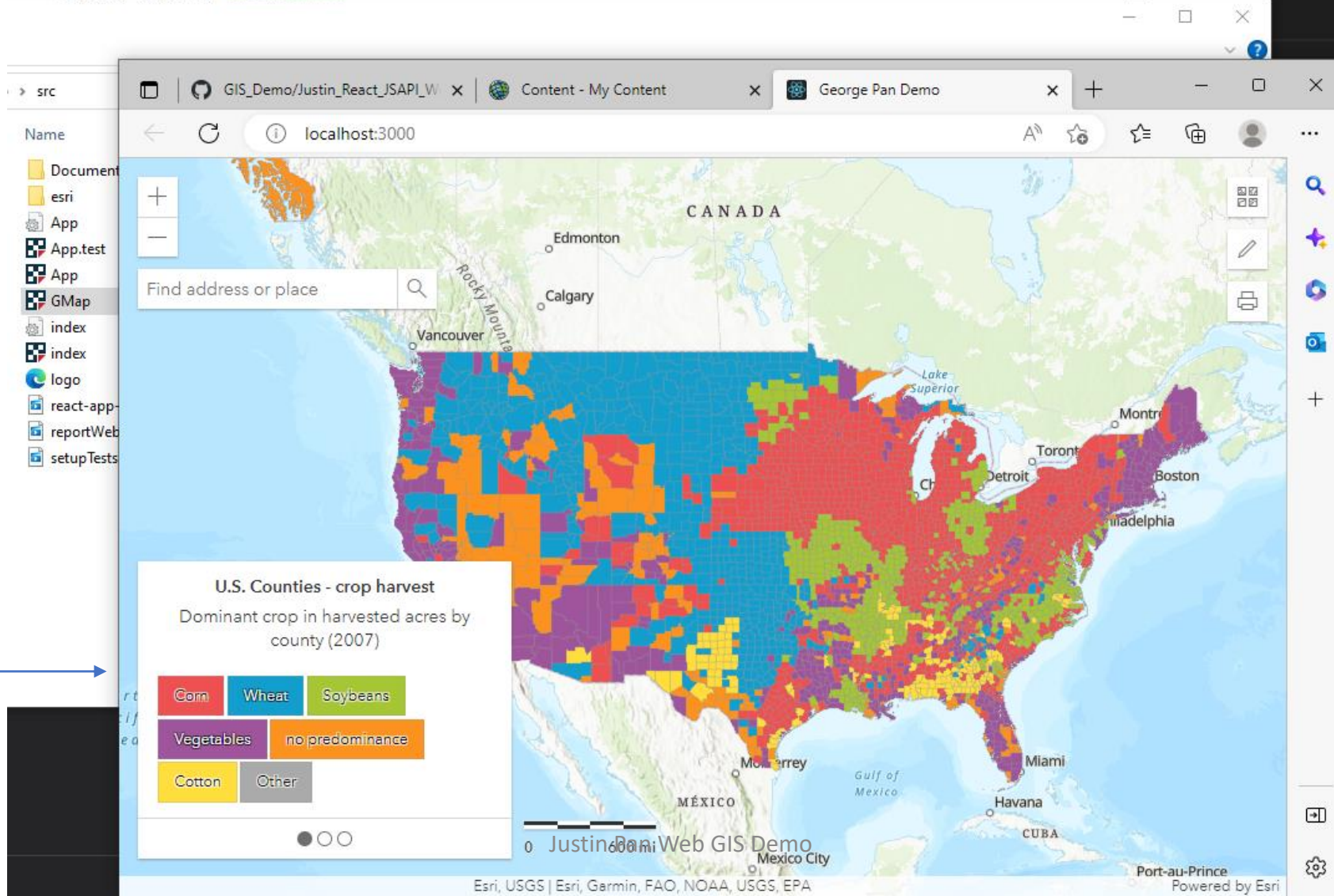
You can now view georgepan-gis-demo in the browser.

Local:      http://localhost:3000
On Your Network: http://192.168.1.13:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

NPM Start



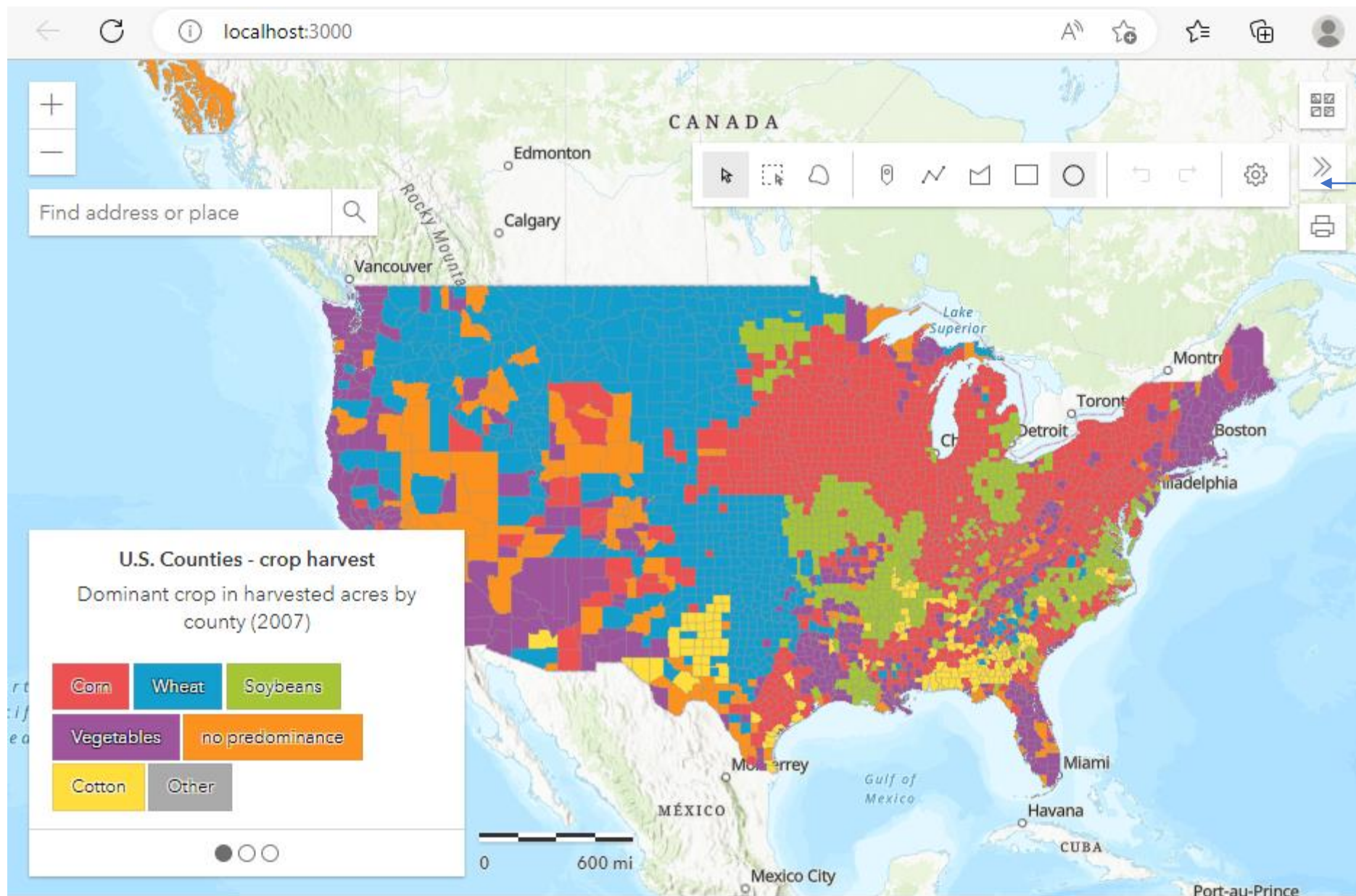
React app structure

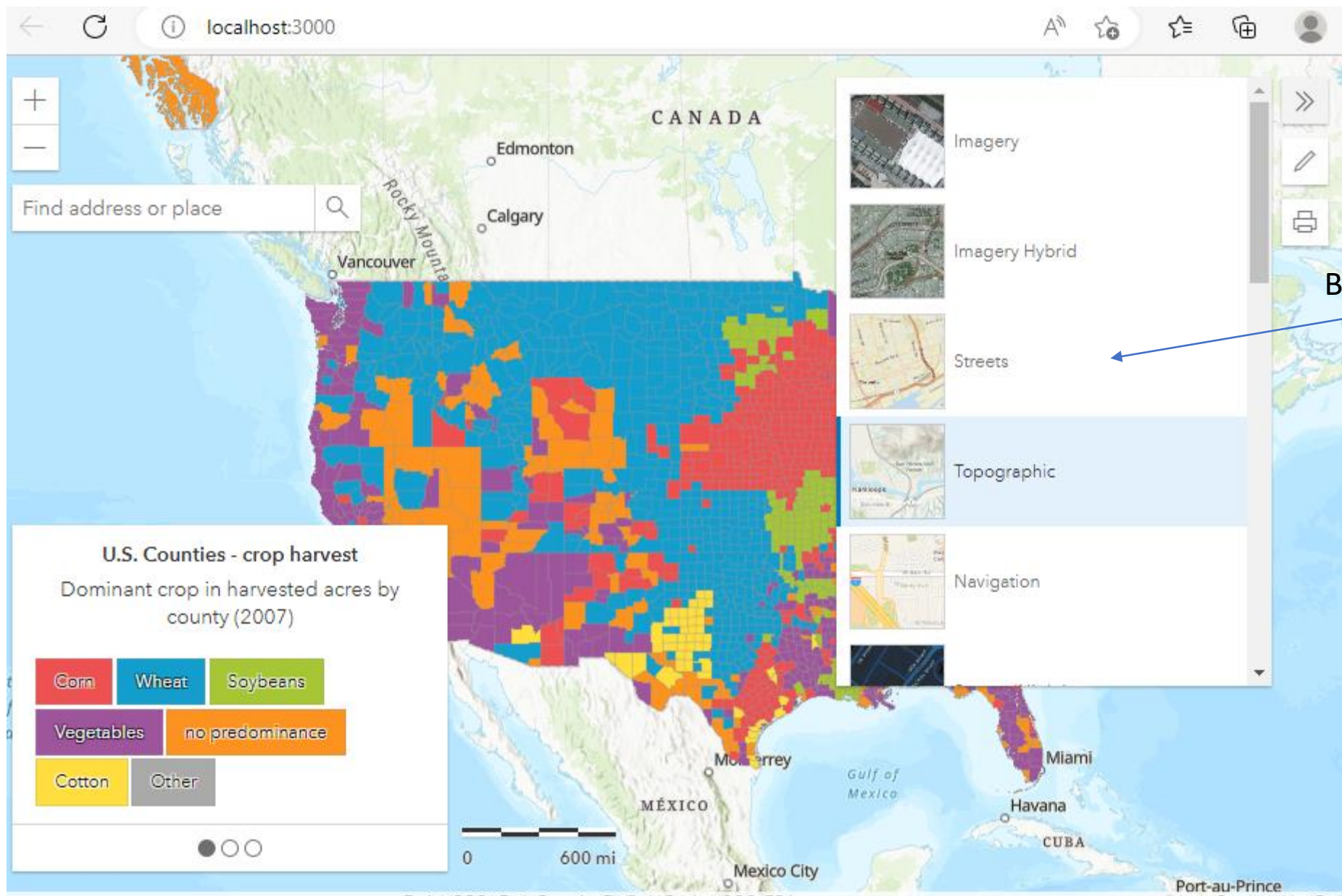
```
1 import { useEffect, useRef, useState } from "react";
2 import View from "@arcgis/core/views/MapView";
3 import BasemapGallery from "@arcgis/core/widgets/BasemapGallery";
4 import ScaleBar from "@arcgis/core/widgets/ScaleBar";
5 import Search from "@arcgis/core/widgets/Search";
6 import Legend from "@arcgis/core/widgets/Legend";
7 import Expand from "@arcgis/core/widgets/Expand";
8 import Print from "@arcgis/core/widgets/Print";
9 import FeatureLayer from "@arcgis/core/layers/FeatureLayer";
10 import Editor from "@arcgis/core/widgets/Editor";
11 import Geometry from "@arcgis/core/geometry/Geometry";
12 import Graphic from "@arcgis/core/Graphic";
13 import { initializeMap } from "../esri/gmap";
14
15 export const MapView = (args: any) => {
16   const mapRef = useRef() as any;
17   // eslint-disable-next-line @typescript-eslint/no-unused-vars
18   const [view, setView] = useState<View | null>(null);
19
20   useEffect(() => {
21     const view = initializeMap(mapRef.current);
22
23     // Add a legend to the view
24
25     const legend = new Legend({
26       view: view,
27       style: "card"
28     });
```

React Hooks

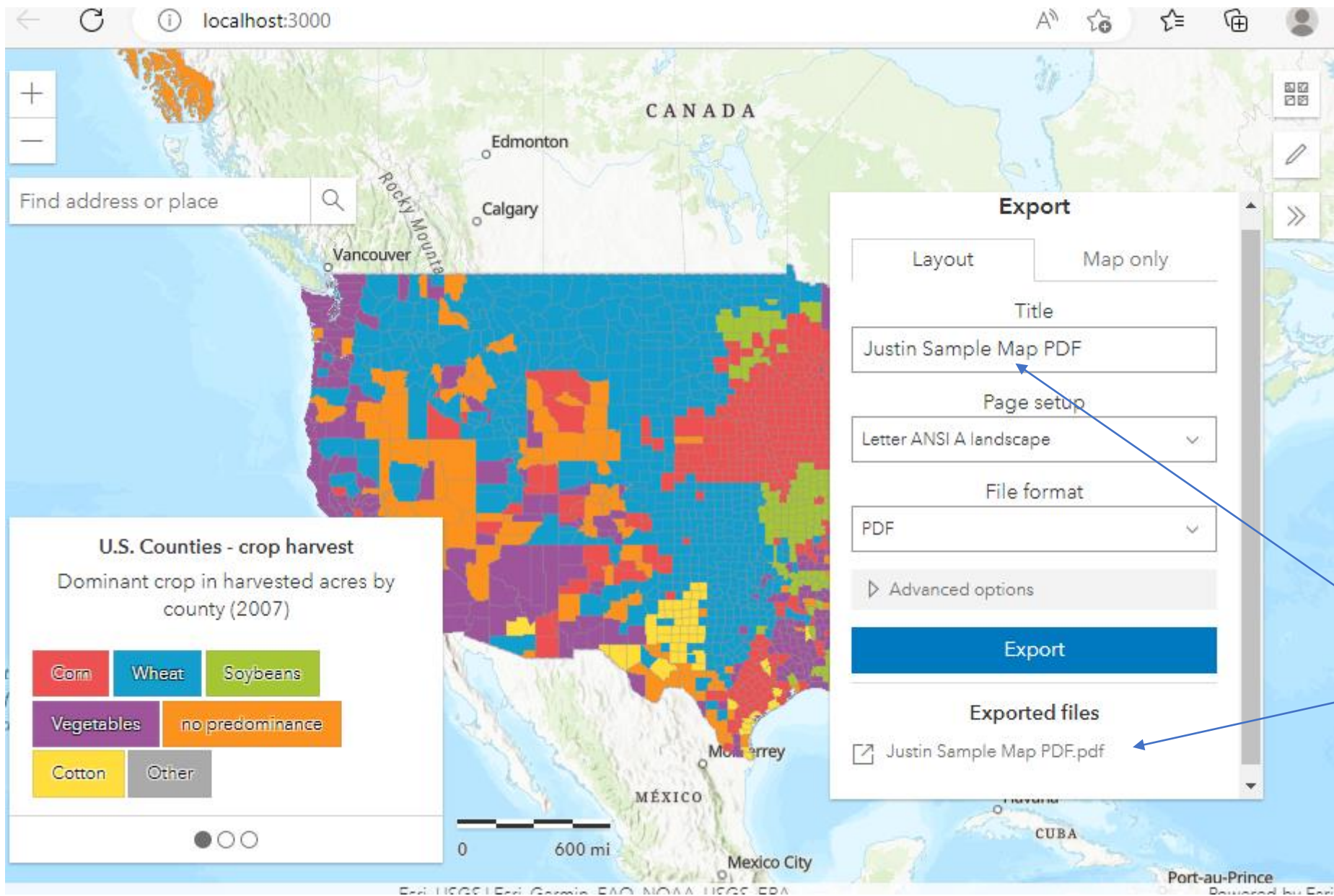
TypeScript files





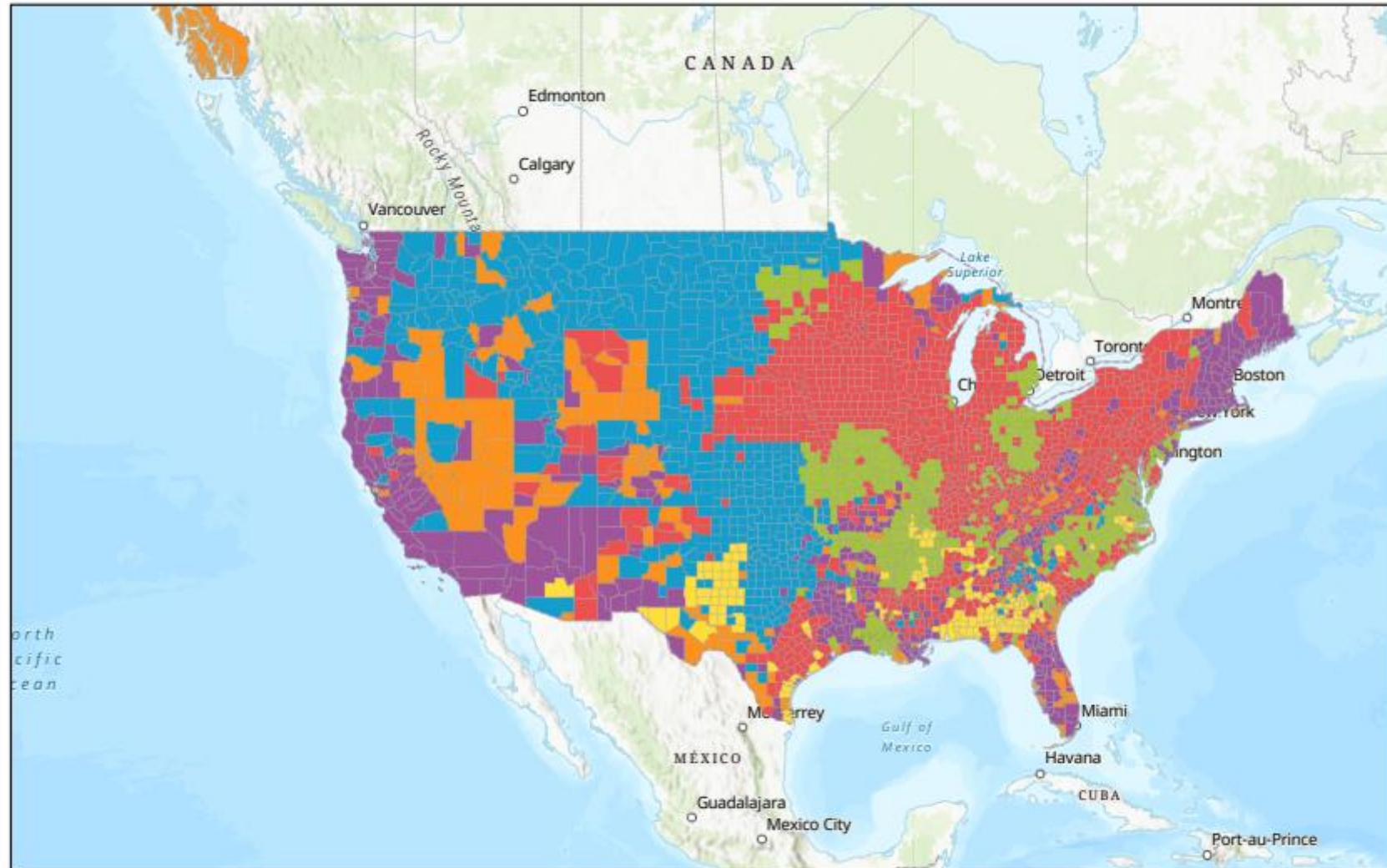






Print  
Maps

# Justin Sample Map PDF



2/3/2023

U.S. Counties - crop harvest

Corn

Wheat

Soybeans

Vegetables

no predominance

Cotton

WildfireEvent

WildfireEventHistory

