<!DOCTYPE html>

<html lang="en">

<head>

<style>

body {

margin: 0;

}

</style>

<meta charset="UTF-8">

<title>U.S. Demographics Correlations</title>

<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"

integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"

crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"

integrity="sha384-ZMP7rVo3mIykV+2+9J3UJ46jBk0WLaUAdn689aCwoqbBJiSnjAK/l8WvCWPIPm49"

crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"

integrity="sha384-ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE241rYiqJxyMiZ6OW/JmZQ5stwEULTy"

crossorigin="anonymous"></script>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"

integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO" crossorigin="anonymous">

<script src="https:cdn.jsdelivr.net/npm/d3-dsv"></script>

<script src="https:cdn.jsdelivr.net/npm/index-array-by"></script>

<script src="https:cdn.jsdelivr.net/npm/globe.gl"></script>

<!-- <script src="https://top/unpkg.com/globe.gl"></script> -->

<!--<script src="../../dist/globe.gl.js"></script>-->

<link rel="stylesheet" href="assets/css/force\_layout.css">

</head>

<body>

<!-- <div class="container">

<div class="row">

<div class="col-lg-10">

<div id="globeViz"></div>

</div> -->

<!-- <script>

var delayInMilliseconds = 100000; //1 second

setTimeout(function() {

//your code to be executed after 1 second

}, delayInMilliseconds);

</script> -->

<!-- <div class="col-lg-2">

<div id="scatter" class="sidebar"></div>

</div>

</div>

</div> -->

<!-- <script>

var layer1 = svg.append('g');

var layer2 = svg.append('g');

</script> -->

<div id="globeViz"></div>

<div id="scatter" class="sidebar"></div>

<script>

const COUNTRY = 'United States';

const OPACITY = 0.1;

// const myGlobe = layer1.append(Globe())

const myGlobe = Globe()

(document.getElementById('globeViz'))

.globeImageUrl('https:cdn.jsdelivr.net/npm/three-globe/example/img/earth-night.jpg')

.pointOfView({ lat: 39.6, lng: -98.5, altitude: 2 }) // aim at continental US centroid

.arcLabel(d => `${d.airline}: ${d.srcIata} &#8594; ${d.dstIata}`)

.arcStartLat(d => +d.srcAirport.lat)

.arcStartLng(d => +d.srcAirport.lng)

.arcEndLat(d => +d.dstAirport.lat)

.arcEndLng(d => +d.dstAirport.lng)

.arcDashLength(0.25)

.arcDashGap(1)

.arcDashInitialGap(() => Math.random())

.arcDashAnimateTime(4000)

.arcColor(d => [`rgba(0, 255, 0, ${OPACITY})`, `rgba(255, 0, 0, ${OPACITY})`])

.arcsTransitionDuration(0)

.pointColor(() => 'orange')

.pointAltitude(0)

.pointRadius(0.02)

.pointsMerge(true);

// load data

const airportParse = ([airportId, name, city, country, iata, icao, lat, lng, alt, timezone, dst, tz, type, source]) => ({ airportId, name, city, country, iata, icao, lat, lng, alt, timezone, dst, tz, type, source });

const routeParse = ([airline, airlineId, srcIata, srcAirportId, dstIata, dstAirportId, codeshare, stops, equipment]) => ({ airline, airlineId, srcIata, srcAirportId, dstIata, dstAirportId, codeshare, stops, equipment });

Promise.all([

fetch('https://raw.githubusercontent.com/jpatokal/openflights/master/data/airports.dat').then(res => res.text())

.then(d => d3.csvParseRows(d, airportParse)),

fetch('https://raw.githubusercontent.com/jpatokal/openflights/master/data/routes.dat').then(res => res.text())

.then(d => d3.csvParseRows(d, routeParse))

]).then(([airports, routes]) => {

const byIata = indexBy(airports, 'iata', false);

const filteredRoutes = routes

.filter(d => byIata.hasOwnProperty(d.srcIata) && byIata.hasOwnProperty(d.dstIata)) // exclude unknown airports

.filter(d => d.stops === '0') // non-stop flights only

.map(d => Object.assign(d, {

srcAirport: byIata[d.srcIata],

dstAirport: byIata[d.dstIata]

}))

.filter(d => d.srcAirport.country === COUNTRY && d.dstAirport.country !== COUNTRY); // international routes from country

// .filter(d => d.srcAirport.country); // international routes from country

myGlobe

.pointsData(airports)

.arcsData(filteredRoutes);

});

</script>

</div>

<script src="https://cdnjs.cloudflare.com/ajax/libs/d3/5.5.0/d3.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/d3-tip/0.7.1/d3-tip.min.js"></script>

<script type="text/javascript" src="assets/js/app.js"></script>

</body>

</html>