courbes.js

```
import * as d3 from "https://cdn.jsdelivr.net/npm/d3@7/+esm";


const data = [
  {
    unite: 'UE1', moyenne:
      {semestre1: 15, semestre2: 18},
    color: 'DarkOrange'
  },
  {
    unite: 'UE2', moyenne:
      {semestre1: 11, semestre2: 17},
    color: 'DeepPink'
  },
  {
    unite: 'UE3', moyenne:
      {semestre1: 13, semestre2: 8},
    color: 'DodgerBlue'
  },
  {
    unite: 'UE4', moyenne:
      {semestre1: 16, semestre2: 12},
    color: 'LightSeaGreen'
  },
  {
    unite: 'UE5', moyenne:
      {semestre1: 9, semestre2: 16},
    color: 'MediumOrchid'
  },
  {
    unite: 'UE6', moyenne:
      {semestre1: 14, semestre2: 19},
    color: 'DarkOliveGreen'
  },
];

/**
 * Récupère les dimensions du navigateur
 * @type {number}
 */
const width = window.innerWidth;
const height = window.innerHeight;
const padding = { top: 60, right: 50, bottom: 30, left: 50 };

/**
 * Création du SVG. L'insertion dans le DOM s'effectue en bas
 */
const svg = d3.create("svg")
  .attr("width", width)
  .attr("height", height)
  .attr('viewBox', `0 0 ${width} ${height}`);


const x = d3.scaleLinear()
  .domain([0, 1])
  .range([padding.left, width - padding.right]);

const y = d3.scaleLinear()
  .domain([0, 20])
  .range([height - padding.bottom, padding.top]);
```

```
const xAxis = d3.axisBottom(x);
const ySemestre1 = d3.axisLeft(y);
const ySemestre2 = d3.axisRight(y);

svg.selectAll('line')
  .data(data)
  .join('line')
  .attr('x1', x(0))
  .attr('x2', x(1))
  .attr('y1', d => y(d.moyenne.semestre1))
  .attr('y2', d => y(d.moyenne.semestre2))
  .attr('stroke', d => d.color)
  .attr('stroke-width', 4);


svg.append('g')
  .attr('transform', `translate(0, ${y.range()[0]})`)
  .call(xAxis);

svg.append('g')
  .attr('transform', `translate(${x.range()[0]}, 0)`)
  .call(ySemestre1);

svg.append('g')
  .attr('transform', `translate(${x.range()[1]}, 0)`)
  .call(ySemestre2);

document.body.append(svg.node());
```