

```

<!doctype html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Crime in Victoria 2019-2022 - Julia Cooper</title>
  <!-- Our CSS -->
  <link rel="stylesheet" type="text/css" href="style.css">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNI/vl1Bx"
    crossorigin="anonymous">
  <link href="https://fonts.googleapis.com/css?family=Quicksand" rel="stylesheet">
  <link rel="stylesheet" href="styles.css">
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
    integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
    crossorigin="anonymous">
  <link rel="stylesheet" href="assets/css/style.css">
  <link rel="stylesheet" href="assets/css/d3Style.css">
  <link rel="stylesheet" href="https://bootswatch.com/4/minty/bootstrap.css">

</head>

<body>
  <nav class="navbar navbar-expand-lg bg-light">
    <div class="container-fluid">
      <a class="navbar-brand" href="/">Click to return to 'Crime in Victoria 2019-2022' page</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
        data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
        expanded="false"
        aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse spacing" id="navbarSupportedContent">
        <ul class="navbar-nav me-auto mb-2 mb-lg-0">
          <!-- <li class="nav-item">
            <a class="nav-link active" href="indexoffendingpatterns.html">Offending Patterns 2019-2022</a>
          </li> -->
          <!-- <li class="nav-item">

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        <a class="nav-link active" href="indexoffencedivisions2022.html">Offending 2022</a>
    </li> -->

    <!-- <li class="nav-item">

        <a class="nav-link active" href="indexdifferentcolouredcircles.html">Colored Charts</a>

    </li> -->

</ul>

</div>

</div>

</nav>
```

```
<div style="position:absolute; bottom: 0; width:100%; height:60px;" >

    <p></p>

    <!-- boostrp and look for footers fpr minty -->

</div>
```

```
<style>

.node {
    cursor: pointer;
    fill:rgb(180, 184, 171);
}

.node:hover {
    stroke: rgb(74, 28, 46);
    stroke-width: 8.5px;
}

.node--leaf {
    fill: rgb(255, 255, 255);
}

.node--root {
    fill:rgb(180, 184, 171);
}

.textnode {
    font: 30px "Helvetica Neue", Helvetica, Arial, sans-serif;
    text-anchor: middle;
    text-shadow: 0 2px 0 #fff, 1px 0 0 #fff, -1px 0 0 #fff, 0 -1px 0 #fff;
}
```

```
.textnode--leaf {  
  font: 30px "Helvetica Neue", Helvetica, Arial, sans-serif;  
  text-anchor: middle;  
  text-shadow: 0 2px 0 #fff, 1px 0 0 #fff, -1px 0 0 #fff, 0 -1px 0 #fff;  
}
```

```
.label,  
.node--root,  
.node--leaf {  
  pointer-events: none;  
}
```

```
</style>
```

```
<!-- <body>
```

```
<nav class="navbar navbar-expand-lg bg-light">
```

```
<div class="container-fluid">
```

```
<a class="navbar-brand" href="indexcrime.html">Crime in Victoria 2019-2022</a>
```

```
<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
```

```
target="#navbarSupportedContent"
```

```
  aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
```

```
<span class="navbar-toggler-icon"></span>
```

```
</button>
```

```
<div class="collapse navbar-collapse spacing" id="navbarSupportedContent">
```

```
<ul class="navbar-nav me-auto mb-2 mb-lg-0">
```

```
<li class="nav-item">
```

```
<a class="nav-link active" href="indexoffendingpatterns.html">Offending Patterns</a>
```

```
</li>
```

```
</li>
```

```
<li class="nav-item">
```

```
<a class="nav-link active" href="indexoffencedivisions2022.html">Offending 2022</a>
```

```
</li>
```

```
</li>
```

```
<li class="nav-item">
```

```
<a class="nav-link active" href="indexoffencedivisions2021.html">Offending 2021</a>
```

```
</li>
```

```
<li class="nav-item">
```

```
<a class="nav-link active" href="indexdifferentcolouredcircles.html">Colored Charts</a>
```

```
</li>
```

```
</ul>
```

```

    </div>
  </div>
</nav> -->

<svg width="1400" height="1400"></svg>
<script src="https://d3js.org/d3.v4.min.js"></script>
<script>

var svg = d3.select("svg"),
    margin = 20,
    diameter = +svg.attr("width"),
    g = svg.append("g").attr("transform", "translate(" + diameter / 2 + ", " + diameter / 2 + ")");

var color = d3.scaleLinear()
    .domain([-1, 5])
    .range(["hsl(152,80%,80%)", "hsl(228,30%,40%)"])
    .interpolate(d3.interpolateHcl);

var pack = d3.pack()
    .size([diameter - margin, diameter - margin])
    .padding(2);

d3.json("api/crime_2022", function (error, root) {
    if (error) throw error;

    root = d3.hierarchy(root)
        .sum(function (d) { return d.value; })
        .sort(function (a, b) { return b.value - a.value; });

    var focus = root,
        nodes = pack(root).descendants(),
        view;

    var circle = g.selectAll("circle")
        .data(nodes)
        .enter().append("circle")
        .attr("class", function (d) { return d.parent ? d.children ? "node" : "node node--leaf" : "node node--root"; })
        .style("fill", function (d) { return d.children ? color(d.depth) : null; })
        .on("click", function (d) { if (focus !== d) zoom(d), d3.event.stopPropagation(); });

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var text = g.selectAll("text")
    .data(nodes)
    .enter().append("text")
    .attr("class", function (d) { return d.parent ? "textnode" : "node textnode--leaf" : "node textnode--root"; })
    .style("fill-opacity", function (d) { return d.parent === root ? 1 : 0; })
    .style("display", function (d) { return d.parent === root ? "inline" : "none"; })
    .text(function (d) { return d.data.name; });

var node = g.selectAll("circle,text");

svg
    .style("background", color(0))
    .on("click", function () { zoom(root); });

zoomTo([root.x, root.y, root.r * 2 + margin]);

function zoom(d) {
    var focus0 = focus; focus = d;

    var transition = d3.transition()
        .duration(d3.event.altKey ? 7500 : 750)
        .tween("zoom", function (d) {
            var i = d3.interpolateZoom(view, [focus.x, focus.y, focus.r * 2 + margin]);
            return function (t) { zoomTo(i(t)); };
        });

    transition.selectAll("text")
        .filter(function (d) { return d.parent === focus || this.style.display === "inline"; })
        .style("fill-opacity", function (d) { return d.parent === focus ? 1 : 0; })
        .on("start", function (d) { if (d.parent === focus) this.style.display = "inline"; })
        .on("end", function (d) { if (d.parent !== focus) this.style.display = "none"; });
}

function zoomTo(v) {
    var k = diameter / v[2]; view = v;

    node.attr("transform", function (d) {
        console.log(d);
    });
}

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        console.log(v);

        console.log(d.x);

        console.log(v[0]);

        return "translate(" + (d.x - v[0]) * k + "," + (d.y - v[1]) * k + ")";

    });

    circle.attr("r", function (d) { return d.r * k; });

}

});

// add class to name of crime to node

// var toolTip = d3.tip()
//   .attr("class", "tooltip")
//   .offset([85, -90])
//   .html(function (d) {
//     return (`${d.state}<br>${yLabel}: ${d[chosenYAxis]}<br>${xLabel}: ${d[chosenXAxis]}`);
//   });

// circlesGroup.call(toolTip);

// circlesGroup.on("mouseover", (d, i, n) => toolTip.show(d, n[i]));
// circlesGroup.on("mouseout", (d, i, n) => toolTip.hide(d, n[i]));

// return circlesGroup;
// }

</script>

</body>

</html>

```