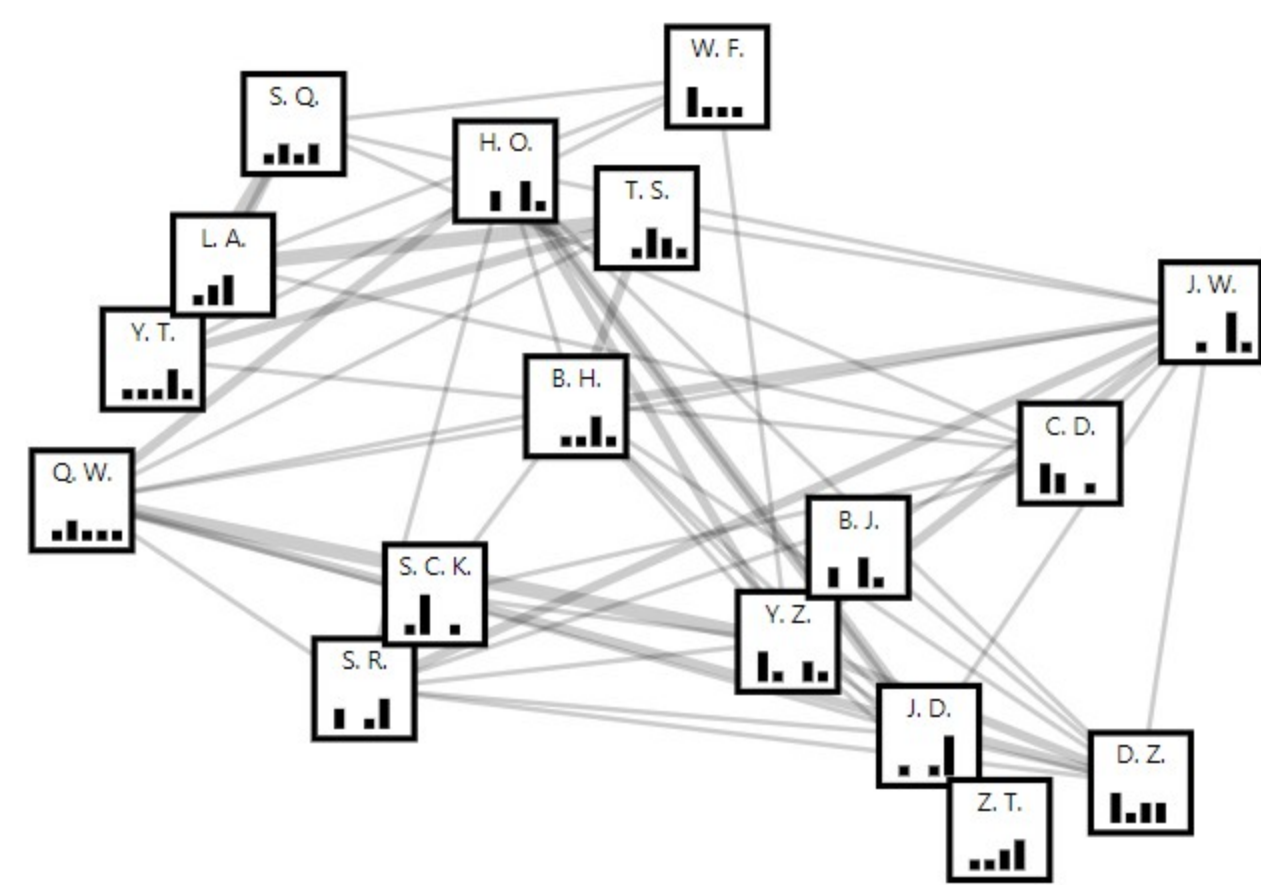


Node-Link Diagram



Code Editor

```
const width = 600
const height = 400

const createSVGElement = (name) => {
  return document.createElementNS("http://www.w3.org/2000/svg", name)
}

const svg = createSVGElement("svg")
svg.setAttribute("width", width)
svg.setAttribute("height", height)

const id2node = {}
const size = 40
data.nodes.forEach((node) => {
  id2node[node.id] = node
  node.size = size
})
```

Descriptions

Node & Link Meanings

- Node**: Nodes represent actors who acted in more than five Chinese movies from 2016 to 2021.
- Link**: Two nodes are connected if their attributes **movies** have common values.

Visual Encoding

- Each **node** consists of 6 different elements.
 - The **first** element is a **<rect>**.
 - Its **height** encodes the attribute **number_of_movies_by_year[2019]**.
 - The **second** element is a **<rect>**.
 - Its **height** encodes the attribute **number_of_movies_by_year[2017]**.
 - The **third** element is a **<rect>**.
 - Its **height** encodes the attribute **number_of_movies_by_year[2016]**.
 - The **fourth** element is a **<text>**.
 - Its **textContent** encodes the attribute **name**.
 - The **fifth** element is a **<rect>**.
 - Its **height** encodes the attribute **number_of_movies_by_year[2018]**.
 - The **sixth** element is a **<rect>**.
 - Its **height** encodes the attribute **number_of_movies_by_year[2020]**.
- Each **link** consists of only 1 element.
 - It is a **<line>**.
 - Its **stroke-width** encodes the attribute **number_of_common_movies**.

Layout Types

- The **x**-coordinates encodes the attributes **votes**
- The **y**-coordinates encodes the attributes **avg_vote**