Exercise: Political speech

Szenario

Implementation of a feature in Kotlin with subsequent code review and productive deployment.

Goal

Processing statistics about political speeches.

Evaluation takes place on the basis of a fictitious code review by teams members and the same quality requirements for code quality, test coverage, understandability as for production code.
The code should be simple and target-oriented.

Have fun ! 🙂

Input

CSV files (UTF-8 encoding) corresponding to the following schema:

Speaker ; Topic ; Date ; Words

It should be possible to start a HTTP server with maven or gradle, which returns 1 or more URLs as query parameters under the
GET route "**/evaluation?url1=url1&url2=url2**"

The CSV files located at these URLs are evaluated and, if the input is valid, the following questions should be answered:

1. Which politician gave the most speeches in 2013?
2. Which politician gave the most speeches on "homeland security"?
3. Which politician spoke the fewest words overall?

The output should be as JSON in this format:

```
{
  "mostSpeeches": string|null,
  "mostSecurity": string|null,
  "leastWordy": string|null
}
```

If no or no unique answer is possible for a question, this field should be filled with null.

Example

CSV-Content:

Speaker;Topic;Date;Words
Alexander Abel; education policty; 2012-10-30, 5310
Bernhard Belling; coal subsidies; 2012-11-05; 1210
Caesare Collins; coal subsidies; 2012-11-06; 1119
Alexander Abel; homeland security; 2012-12-11; 911

Response:

Status: 200

```
{
  "mostSpeeches": null,
  "mostSecurity": "Alexander Abel",
  "leastWordy": "Caesare Collins"
}
```