Fashion Digital – Recruitment Exercise Node.js

Environment

This exercise should be solved with Node.js >= 16 and its available features. TypeScript implementation is preferred over plain JavaScript, but no requirement.
The solution should include the full source code and any script or instruction necessary for executing/running the app. There are no restrictions regarding used libraries.

Exercise: Political Speeches

The goal of this exercise is to calculate some statistics from given input data about political speeches. The application should handle CSV files (`UTF-8` encoded), structured as below:

```
Speaker, Topic, Date, Words
Alexander Abel, Education Policy, 2012-10-30, 5310
Bernhard Belling, Coal Subsidies, 2012-11-05, 1210
Caesare Collins, Coal Subsidies, 2012-11-06, 1119
Alexander Abel, Internal Security, 2012-12-11, 911
```

An example file can be downloaded at:
https://fid-recruiting.s3-eu-west-1.amazonaws.com/politics_en.csv.

The application should provide an HTTP endpoint which accepts one or more given URLs (`http` and `https`) via query parameters at the path:

```
GET /evaluation?url=url1&url=url2
```

The provided CSV files at these URLs should be downloaded, processed and evaluated to answer the following questions:

1. Which politician gave the most speeches in 2013?
2. Which politician gave the most speeches on the topic „Internal Security"?
3. Which politician used the fewest words (in total)?

The answers should be provided as `JSON`. If a question cannot be answered or does not have an unambiguous solution the result for this field should be `null`.

As an example, for the given input above the expected result is:

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

Have fun and good luck!