# **JSON to CSV Converter**

## **Overview**

This repository contains two scripts for handling JSON data conversion:

1. **convertAdeJsonToJson.py**: Converts ADE-specific JSON files into a format compatible with the second script.
2. **convertJsonToCsv.js**: Converts the transformed JSON files to CSV format, extracting specific fields.

## **Prerequisites**

### **Python**

* **convertAdeJsonToJson.py** requires Python 3.x.
* Ensure necessary Python packages (if any) are installed.

### **Node.js**

**convertJsonToCsv.js** requires Node.js to run.

Install the required dependencies by running:

* npm install json-to-csv

## **Usage**

### **File Naming Conventions**

To use these scripts without modifications, ensure your JSON files are named as follows:

1. The initial ADE JSON files that need to be transformed by the Python script should follow the naming pattern:

data1Ade.json, data2Ade.json, data3Ade.json, etc.

1. After the Python script processes them, the output JSON files will be named in this format:

data1Correct.json, data2Correct.json, data3Correct.json, etc.

1. The JavaScript script will then use these data#Correct.json files to create corresponding CSV files, named as:

data1CsvDescription.csv, data2CsvDescription.csv, etc.

### **1. JSON to JSON Conversion (Python)**

Run the Python script first to process ADE-specific JSON files and generate the corrected JSON files for CSV conversion.

#### **How to run:**

1. Place your ADE JSON files in the appropriate directory.
2. Run the Python script:

python convertAdeJsonToJson.py

1. This will output the transformed JSON files with names like data1Correct.json, data2Correct.json, etc.

### **2. JSON to CSV Conversion (JavaScript)**

Once the JSON files have been processed by the Python script, you can convert them into CSV format using the JavaScript script.

#### **How to run:**

1. Ensure the transformed JSON files (data1Correct.json, data2Correct.json, etc.) are in the same directory.
2. Run the JavaScript script:

node convertJsonToCsv.js

1. The CSV files will be generated with names like data1CsvDescription.csv, data2CsvDescription.csv, etc.

## **Notes**

* **File Naming**: Be sure to follow the naming patterns for the JSON files to use the scripts as-is without needing to modify the code.
* Make sure to run convertAdeJsonToJson.py first to prepare the JSON files.
* Ensure that the JSON files contain description and subject fields, as these will be extracted into the CSV files.
* Customize file paths and file names in both scripts if your JSON files do not follow the exact naming patterns mentioned above.