

The comma-separated values (CSV) format is a popular format for tabular data on the web. It stores tables of data in a very simple textual way, but it stores only the values of the table without their meaning and structure. Users of a table must remove the ambiguity and guess the exact meaning of data. The standard called CSV on the Web provides recommendations for metadata about CSV tables on the web. The metadata can describe a CSV table, its structure, and the meaning of its values in the JSON-LD format. The standard allows a creator of a table to remove ambiguity, increase certainty, and create confidence. There are CSV tables together with their JSON-LD metadata descriptions, and each table should match its particular description. In this thesis, we develop a CSV file validator. The validator is a computer program which checks whether tables actually match their metadata descriptions. It reads a table with its description, compares them, and searches for discrepancies. This text describes the development process and its result.