

ELEMENTS OF DATA PROCESSING

WEEK 1 INTRO TO DATA SCIENCE - BASIC TYPES, OPERATIONS AND DATA FORMATS

Data formats

Types of data formats



Data wrangling

Cleanse → Merge → Adapt → Evaluate usability of data (CMAE)

Semi-structured data formats

CSV - comma separated values

- Often used for number data
- Each piece of data is separated by a comma
- Stored in a special type of plain text file
- Human-readable vs binary XLS format (Excel)



- CSV lacks the formatting information of an XLS file

HTML - HyperText Markup Language

- Information and how its laid out
- Many files, one for each picture, and one for the main text which links them all together

XML

- A general markup formalism for HTML
- User defined tags
- How it is we describe information - not about the layout

JSON - JavaScript Object Notation

- A useful representation of objects, as variables to manipulate inside your program

Elements Ofv Data Processing Mathematics

D Siedentop



Elements Ofv Data Processing Mathematics:

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