A CsvPath Cheatsheet

Validation Strategies
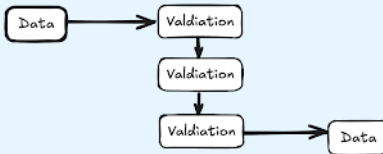
Simple validation

Data → Valdiation → Data

Single-source, Multiple-output

Data → Valdiation → Data
Data → Valdiation → Data
Data → Valdiation → Data
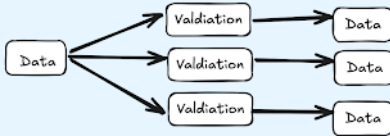
Single-source, breadth-first

Data → Valdiation → Valdiation → Valdiation → Data

Serial source

Data → Valdiation → Data → Valdiation → Data

Rewind/Replay

Run one: Data → Valdiation → Data → Valdiation → Data
Run two: Data → Valdiation → Data → Valdiation → Data
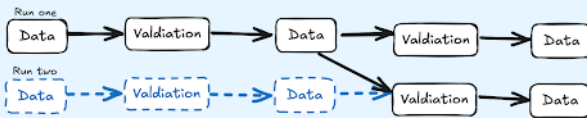
Validation Patterns

When / do

Data → When → Assert → Do → Assert / Side-effect

Validate

Data → Assert → Exception / Boolean

One of...
- Fail & continue
- Fail & stop
- Stop
- Raise exception
- Print message

Output

Data → Side-effect

One of...
- Print
- Set variable
- Include
- Collect
- Replace
- Reset headers
- Skip
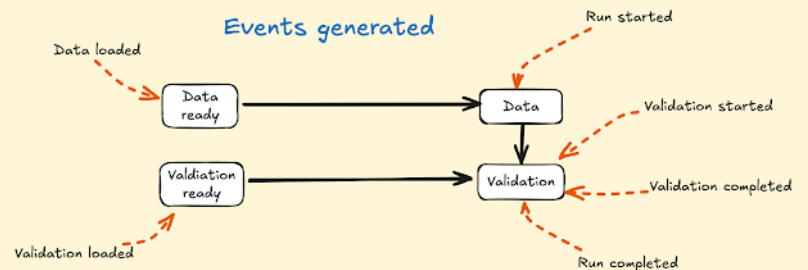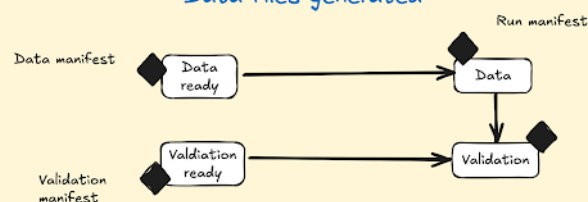- Advance
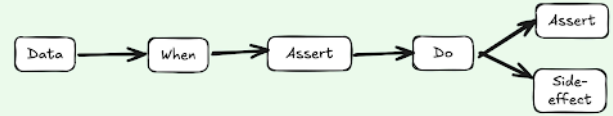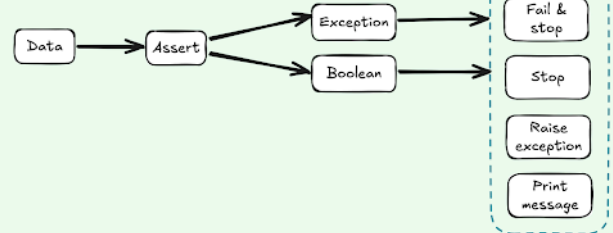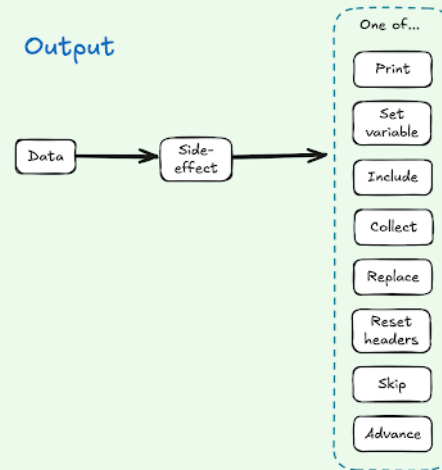
Modes

- **files-mode**
  all, (no-)data, (no-)unmatched, (no-)printouts
- **logic-mode**
  AND / OR
- **print-mode**
  (no-)default
- **return-mode**
  (no-)matches
- **run-mode**
  (no-)run
- **source-mode**
  preceding
- **transfer-mode**
  data / unmatched > variable-name, ...
- **unmatched-mode**
  (no-)keep
- **validation-mode**
  (no-)raise, (no-)print, (no-)fail, (no-)stop

Validation Results

Events generated

Data loaded → Data ready → Data
Run started → Data
Validation started → Validation
Validation ready → Validation
Validation loaded → Validation ready
Validation completed → Validation
Run completed → Validation

Data files generated

Data manifest → Data ready → Data
Run manifest → Data
Validation manifest → Valdiation ready → Validation

- Instance manifest
- Matched, shaped, (in)valid lines
- Unmatched lines
- Metadata
- Errors
- Printouts
- Transfer(s)