

# HLG-MOS 2021

## Soapbox session



# The VTL community

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# What is VTL?

- A Language for Validation and Transformation of statistical data
- For business users
- Logical rather than technical level, technology-neutral
- Formal grammar (helps for building tools)
- SDMX standard



# What is VTL for?

- Specification of data validation contracts
- Data ingestion and integration
- Reporting (e.g. regulatory reporting for banks)
- Design and execution of data workflows
- Etc.





# What does VTL look like?

```
// 3 - Calculate scores

scores := main
  [calc
    eq_fisc_csu := ind_fisc <> "" and ind_fisc = ind_fisc_csu or id_fisc <> "" and id_fisc = id_fisc_csu,
    score1_csu := pren_1 = pren_1_csu and nais_ind1 = nais_ind1_csu,
    score2_csu := sexe = sexe_csu and anais = anais_csu and mnais = mnais_csu and jnais = jnais_csu]
  [[calc
    eq_fisc_a := ind_fisc <> "" and ind_fisc = ind_fisc_a or id_fisc <> "" and id_fisc = id_fisc_a,
    score1_a := pren_1 = pren_1_a and nais_ind1 = nais_ind1_a,
    score2_a := sexe = sexe_a and anais = anais_a and mnais = mnais_a and jnais = jnais_a]]
  [calc score_csu := score1_csu or score2_csu, score_a := score1_a or score2_a]
  [calc final_score_csu := eq_fisc_csu or score_csu, final_score_a := eq_fisc_a or score_a]
  [calc numero1 := if final_score_csu then numero_csu else (
    |   if final_score_a then numero_a else numero
  )]
  [calc regroup := if numero <> numero1 then "100000" else "000000"]
  [keep dirindik, pren_1, nais_ind1, numero, numero1, regroup];

// 4 - Check results

results := left_join(expected_results, scores)
  [drop dirindik]
  [filter expected_regroup <> regroup];
```

# Why a VTL community?



- Support users and community members
- Share (information on) tools
- Organize feedback, feature requests, etc.
- Create common assets (tests, standards...)
- Produce guidelines, capacity building

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**Join the community!**

<https://github.com/VTL-Community>

