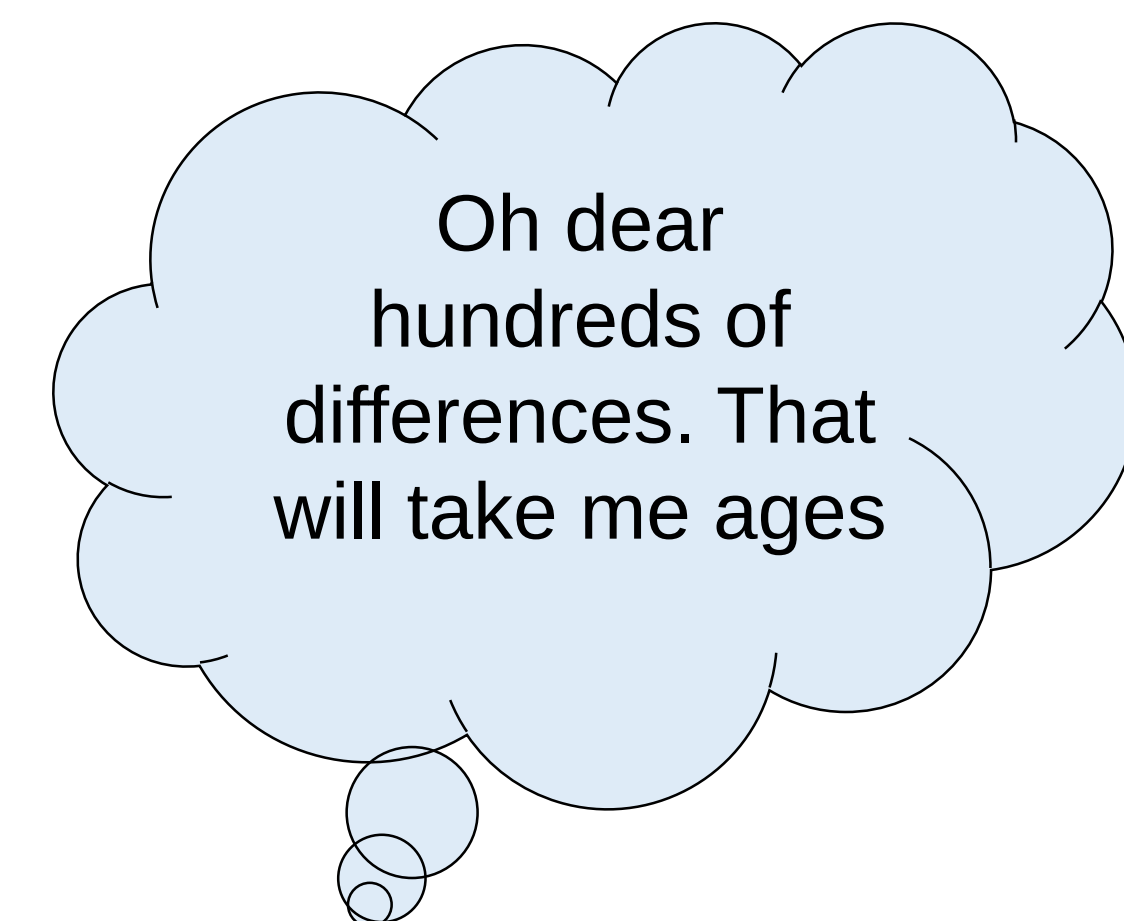


Situation



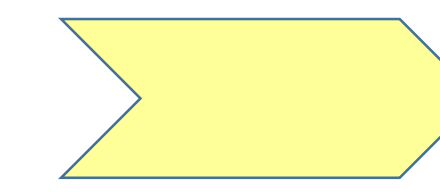
```

82 Number of Observations with Some
83 Compared Variables Unequal: 935277
84 Number of Observations with All
85 Compared Variables Equal: 0.
86
87 Values Comparison Summary
88
89 Number of Variables Compared with
90 All Observations Equal: 3.
91 Number of Variables Compared with
92 Some Observations Unequal: 289.
  
```

Problem

- Plain proc compare
- Ignoring differences in number of observation
- Ignoring sorting order

Comparing apples with oranges



Solution

- Ensure correct number of observations
- Ensure compare of associated records

Proc compare with ID statement

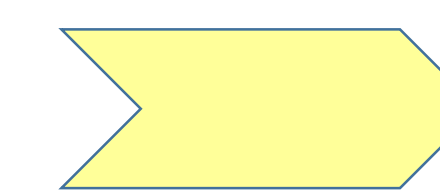
Match in ID variables

Datasets identically sorted

- No false-positive issues
- Less number of overall issues

- Big amount of data / complex data

Sense of being overwhelmed



Qc subset of data

Plausibility checks

Subset of records / variables

Frequency, Min, Max

Compare values against CT

- Reduce proc compare outcomes
- Increase visibility of progress
- Parallel work

- Dependencies

Issues caused by parent data.



Qc parent data first.

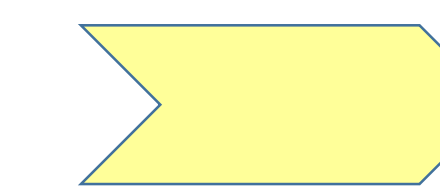
Proc compare for parent variables only

Child after match of parent

- Dependent issues disappear
- Less workload

- No information on what differs
- Is the main program incorrect or rather the qc program?
- main programmer must repeat the qc to find out

- Repeat of work
- Inefficiencies



Explain why considered incorrect

Hints to specification/ SAP/guidelines

Assumed route-cause (Optional)

Expected values

- Quick understanding of issue by main side programmer
- Easy trace of main programming progress
-

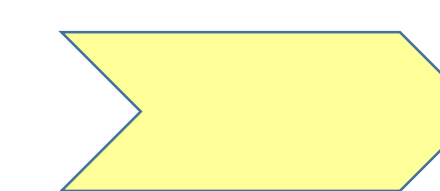
Subject ADSL

There are differences between main and qc ADS'

We differ in obs 35277.

- Obs 35277 of main dataset is not necessarily the same record as in qc in particular in case of subset or different sorting

- Increase in effort to find the correct record
- Work on the wrong record



Provide examples

Subject ID

Further key variables

- Less rounds of updates and re-qc.

- Independent Issues reported dropwise.

Several rounds of program updates



Report bunch of issues