Problems to solve (development of LOG ANALYZER):

1. Fix the problem with many lines of code (some lines are without prefix MPRINT):

MPRINT(RUN\_LOG\_ANALYZER): data data.transactions;

306 +length cid $10 aid $16 product $3 period fin\_period $6 status $1

307 +due\_installments paid\_installments pay\_days n\_installments

308 +installment spendings income leftn\_installments 8;

1. Delete lines with bad information not connected with the code:

MPRINT(RUN\_LOG\_ANALYZER): libname data

2 The SAS System 19:07 Tuesday, January 9, 2024

"c:\karol\skn\_ba\nowe\_SAS\_Viya\log\_analyzer\PROCSS\_SIMULATION\process\data\" compress=yes;

1. Analyse PDFs with special syntax of new CAS procedures like: FEDSQL, GENSELECT and verify initial code with possibility of transforming the initial code into new procedures.
2. Better identification of macro variable loops
3. Analyse PDFs with measures CPU and Memory times and try to identify steps more likely to run in CAS.
4. Try to fine the way to train ChatGPT to transform SAS SPRE into SAS CAS including our results from LOG ANALYZER.
5. Optimise first step of reading a log, some steps can be done automatically in the first reading.
6. Better reporting, various levels, different layout
7. Sometimes real\_time is missing, probably some line breaks
8. Number of levels can be a parameter