**Setup**: import “Ratings data cleaned.csv” and renames as “Ratings”;

import “Fiscal cleaned.csv” as “Fiscal”;

import “Modified economic data.csv” as “Economic”;

import “Ratios cleaned.csv” as “Ratios”

1st:

CREATE TABLE rating\_with\_fiscal AS

SELECT conml,

Ratings.gvkey,

Rating,

year,

month,

Ratings.state,

fiscal\_year,

fiscal\_month

FROM Ratings INNER JOIN Fiscal

on Ratings.gvkey = Fiscal.gvkey

2nd:

CREATE TABLE filtered\_rating\_by\_fiscal AS

SELECT conml,

gvkey,

Rating,

state,

year,

month

FROM rating\_with\_fiscal

WHERE year = fiscal\_year AND month = fiscal\_month

3rd:

CREATE TABLE add\_econ\_before\_filtering AS

SELECT conml,

gvkey,

Rating,

state,

filtered\_rating\_by\_fiscal.year,

month,

PerCapitaIncome,

GDP\_per\_capita,

Economic.year AS econ\_year

FROM filtered\_rating\_by\_fiscal INNER JOIN Economic

on upper(filtered\_rating\_by\_fiscal.state) = upper(Economic. GeoName)

4th:

CREATE TABLE filtered\_add\_econ AS

SELECT conml,

Rating,

state,

year,

month,

PerCapitaIncome,

GDP,

Population

FROM add\_econ\_before\_filtering

WHERE year = econ\_year

5th:

CREATE TABLE add\_ratio\_before\_filter AS

SELECT filtered\_add\_econ.\*,

debt\_at,

debt\_assets,

debt\_ebitda,

cash\_debt,

Ratios.year AS ratio\_year

FROM filtered\_add\_econ INNER JOIN Ratios

ON filtered\_add\_econ.gvkey = Ratios.gvkey

6th:

CREATE TABLE filtered\_add\_ratio AS

SELECT \*

FROM add\_ratio\_before\_filter

WHERE year = ratio\_year

🡪SQL output: export table “filtered\_add\_ratio” as “**Rating\_fiscal\_econ\_ratio.csv**”