Chercher une corrélation entre :

* Code postal établissement => candidat
* Diff moyenne semestre 1 et 2 => v\_resu\_s1, v\_resu\_s2
* Diff moyenne semestre 2 et 3 => v\_resu\_s2, v\_resu\_s3
* Diff moyenne semestre 4 et 4 => v\_resu\_s3, v\_resu\_s4
* Moyenne semestre 4 => v\_resu\_s4

Vue :

CREATE OR REPLACE VIEW partie2.vue\_evolution\_moyennes\_auto AS

WITH moyennes\_semestre AS (

SELECT

e.code\_nip,

c.code\_postal,

ins.num\_semestre,

CAST(SUBSTRING(ins.num\_semestre FROM 2) AS INTEGER) AS num\_s,

ROUND(SUM(r.moyenne \* p.coefficient) / NULLIF(SUM(p.coefficient), 0), 2) AS moyenne

FROM partie2.\_etudiant e

JOIN partie2.\_inscription ins ON e.code\_nip = ins.code\_nip

JOIN partie2.\_resultat r ON r.code\_nip = ins.code\_nip

AND r.annee\_univ = ins.annee\_univ

AND r.num\_semestre = ins.num\_semestre

JOIN partie2.\_programme p ON p.id\_module = r.id\_module

AND p.annee\_univ = r.annee\_univ

AND p.num\_semestre = r.num\_semestre

JOIN partie2.\_candidat c ON e.ine = c.ine

GROUP BY e.code\_nip, c.code\_postal, ins.num\_semestre

),

-- LAG() pour calculer la différence de moyenne entre deux semestres consécutifs

evolution AS (

SELECT

code\_nip,

code\_postal,

num\_s,

CONCAT('S', num\_s) AS semestre,

moyenne,

ROUND(moyenne - LAG(moyenne) OVER (PARTITION BY code\_nip ORDER BY num\_s), 2) AS diff\_avec\_precedent

FROM moyennes\_semestre

)

SELECT \*

FROM evolution;