

Exercise 1

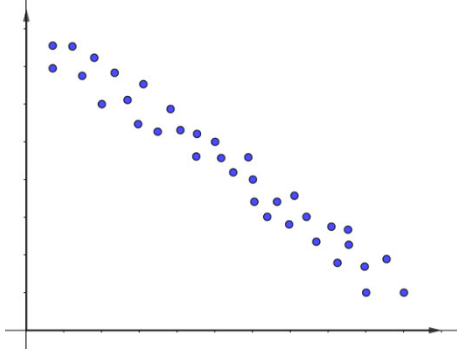
Calc. : ✗

We consider the following scatter diagrams with the corresponding linear correlation coefficients r_1 , r_2 , r_3 and r_4 .

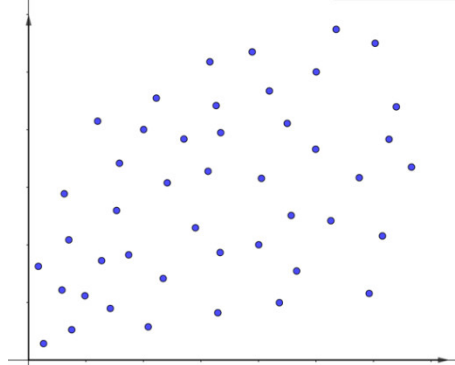
Arrange these correlation coefficients in ascending order and **explain** your answer.

5 marks

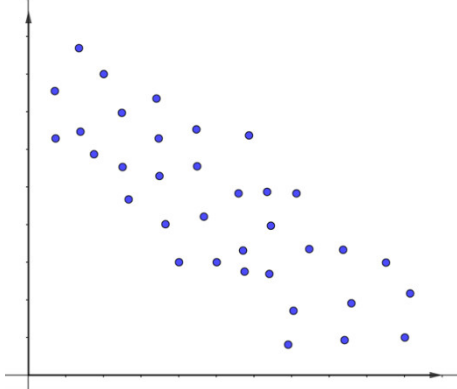
Scatter plot 1, with coefficient r_1



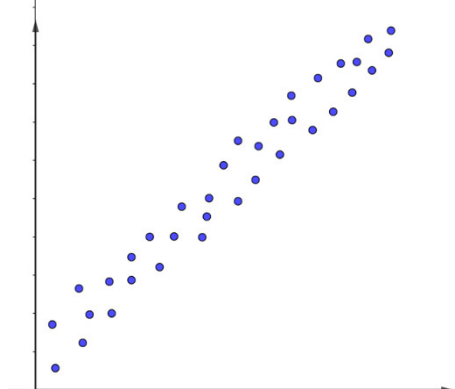
Scatter plot 2, with coefficient r_2



Scatter plot 3, with coefficient r_3



Scatter plot 4, with coefficient r_4



Exercice 2

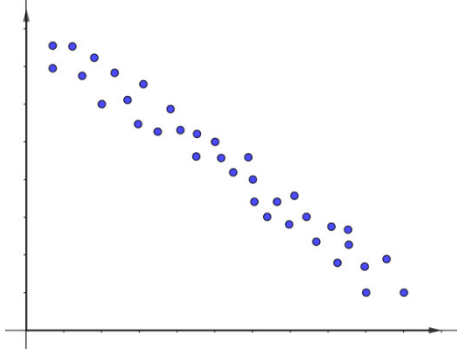
Calc. : ✗

On considère les nuages de points suivants qui correspondent aux coefficients de corrélation linéaire r_1 , r_2 , r_3 et r_4 .

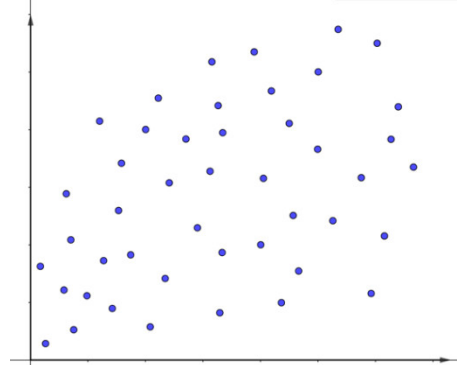
Arranger ces coefficients de corrélation en ordre croissant et **expliquer** votre réponse.

5 marks

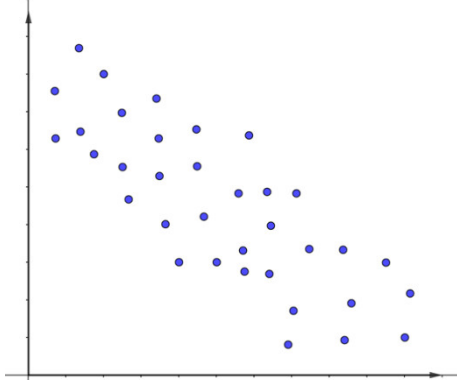
Nuage de points 1, avec coefficient r_1



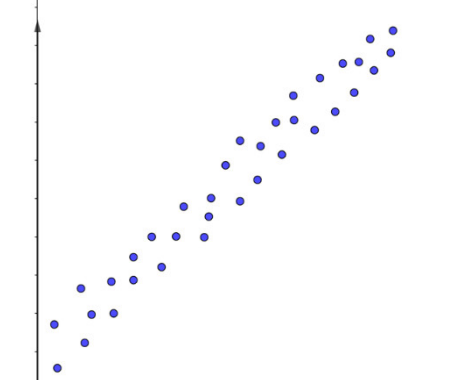
Nuage de points 2, avec coefficient r_2



Nuage de points 3, avec coefficient r_3



Nuage de points 4, avec coefficient r_4



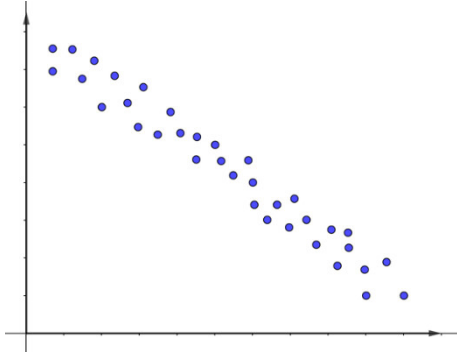
Exercise 3

Calc. : ✖

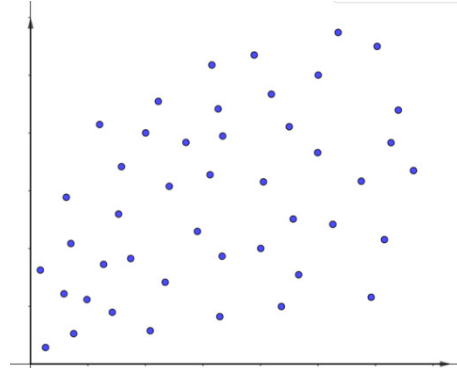
Tarkastellaan oheisia sirontakuvaajia joissa lineaariset korrelaatiokertoimet ovat r_1, r_2, r_3 et r_4 . Järjestä korrelaatiokertoimet suuruusjärjestykseen (pienimmistä suurimpaan) ja perustele vastauksesi.

5 marks

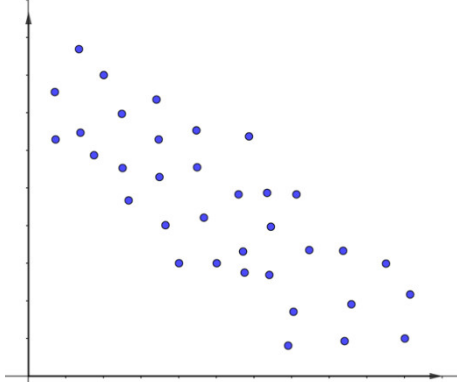
Sirontakuvaajia 1, kanssa korrelaatiokertoimet r_1



Sirontakuvaajia 2, kanssa korrelaatiokertoimet r_2



Sirontakuvaajia 3, kanssa korrelaatiokertoimet r_3



Sirontakuvaajia 4, kanssa korrelaatiokertoimet r_4

