

Corrélation entre deux variables

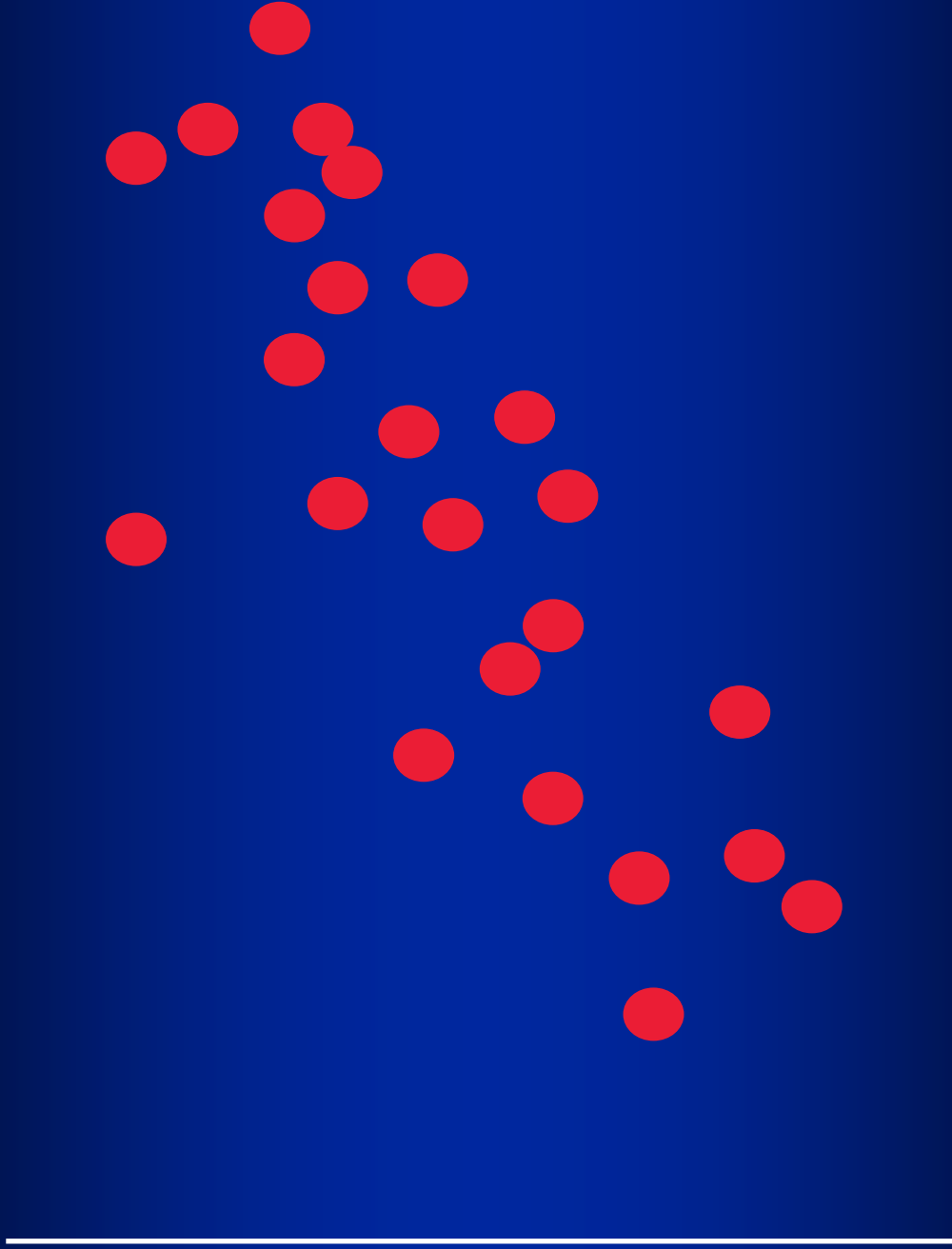
Pr. Bruno RIOU

Département d'Anesthésie-Réanimation
et Service d'Accueil des Urgences
CHU Pitié-Salpêtrière, Paris

CORRELATION

- Recherche d'une corrélation linéaire
- Signification de P
- Signification de R^2

Variable 2

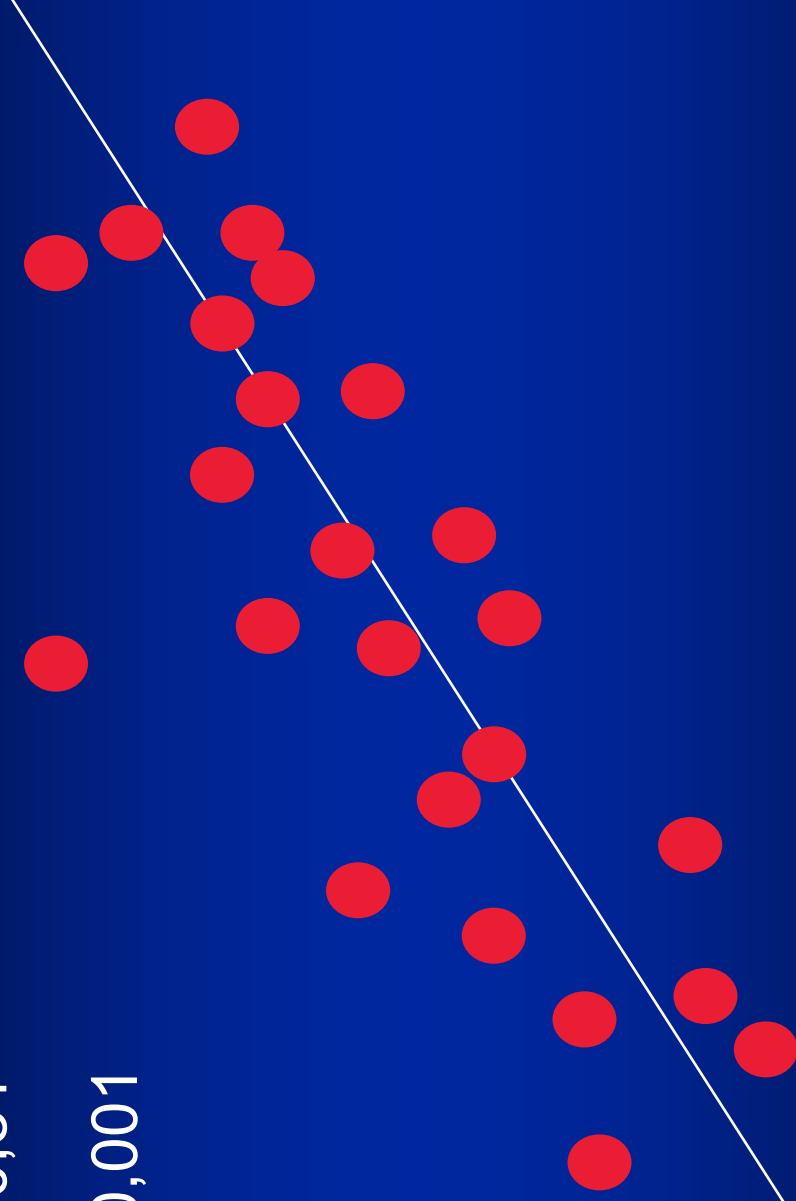


Variable 1

Variable 2

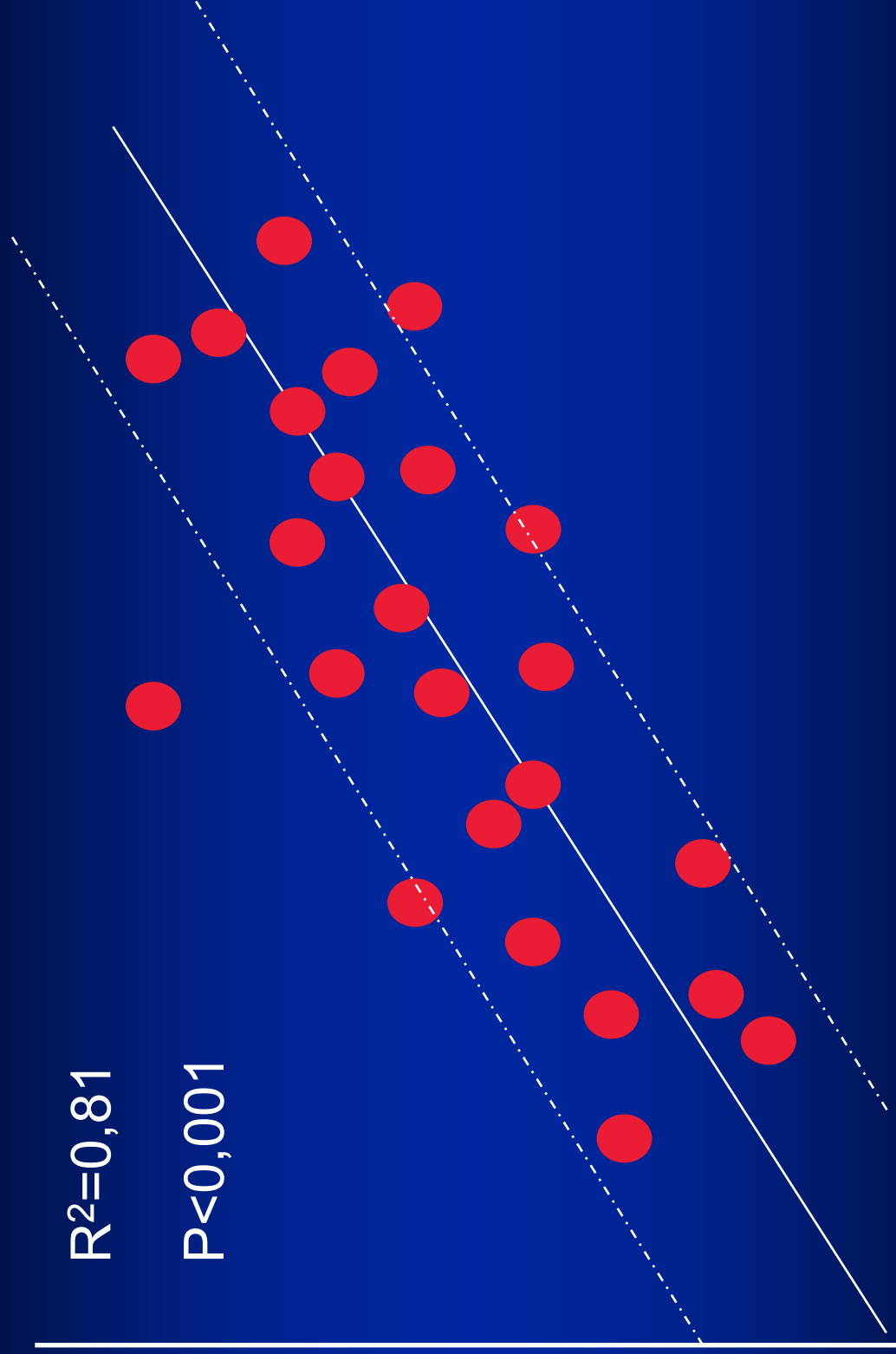
$R^2=0,81$

$P<0,001$



Variable 1

Variable 2

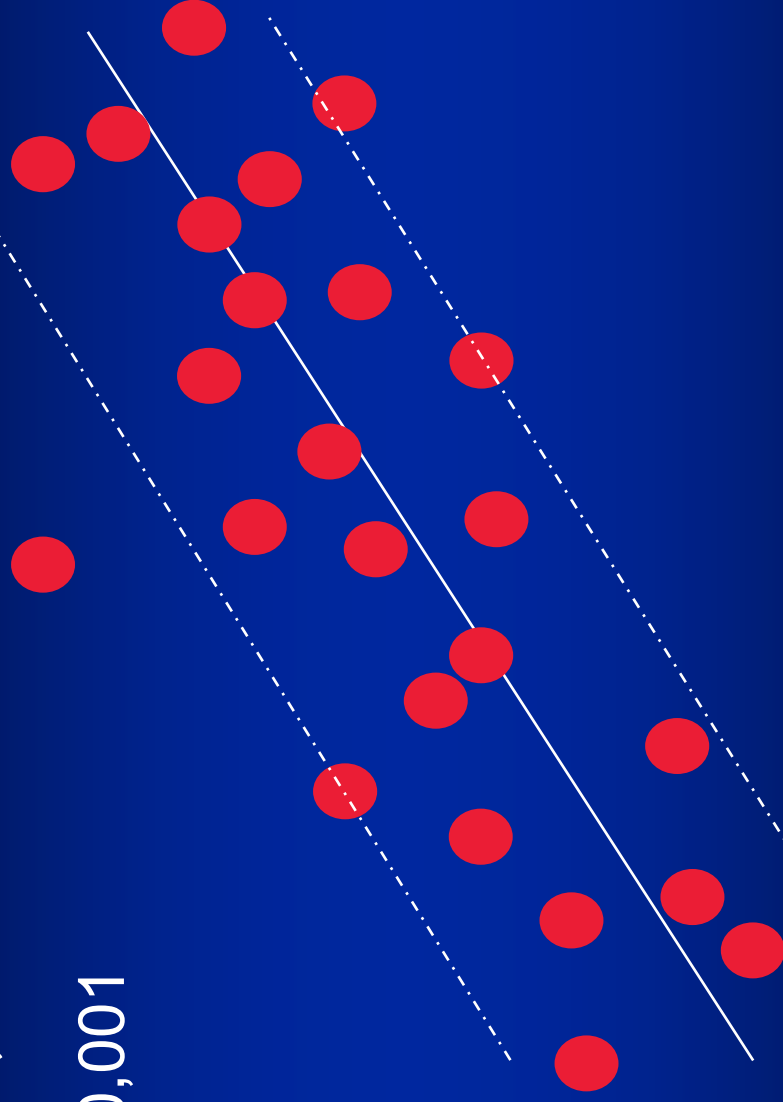


Variable 1

Variable 2

$R^2=0,81$

$P<0,001$

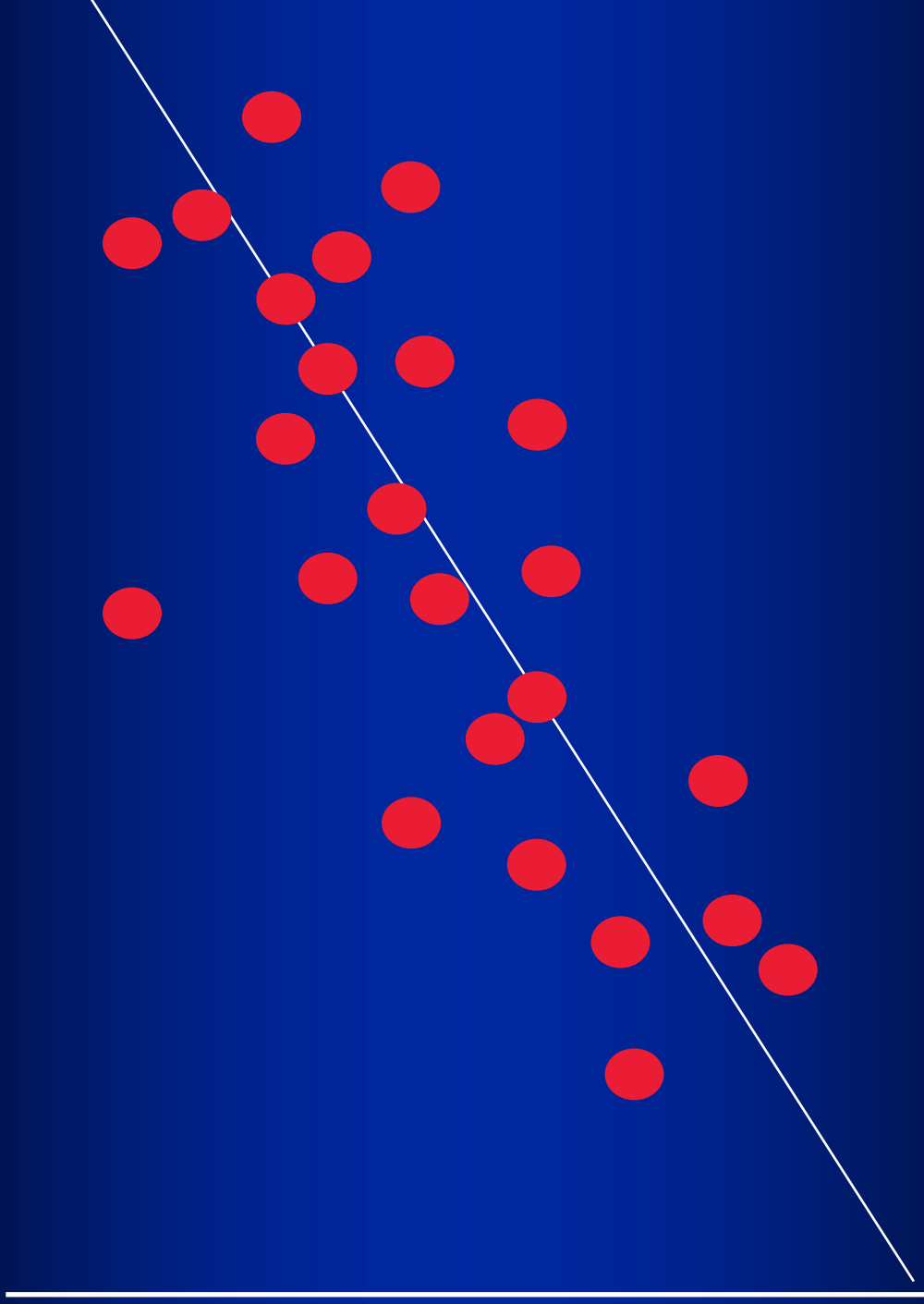


Variable 1

LES PIEGES

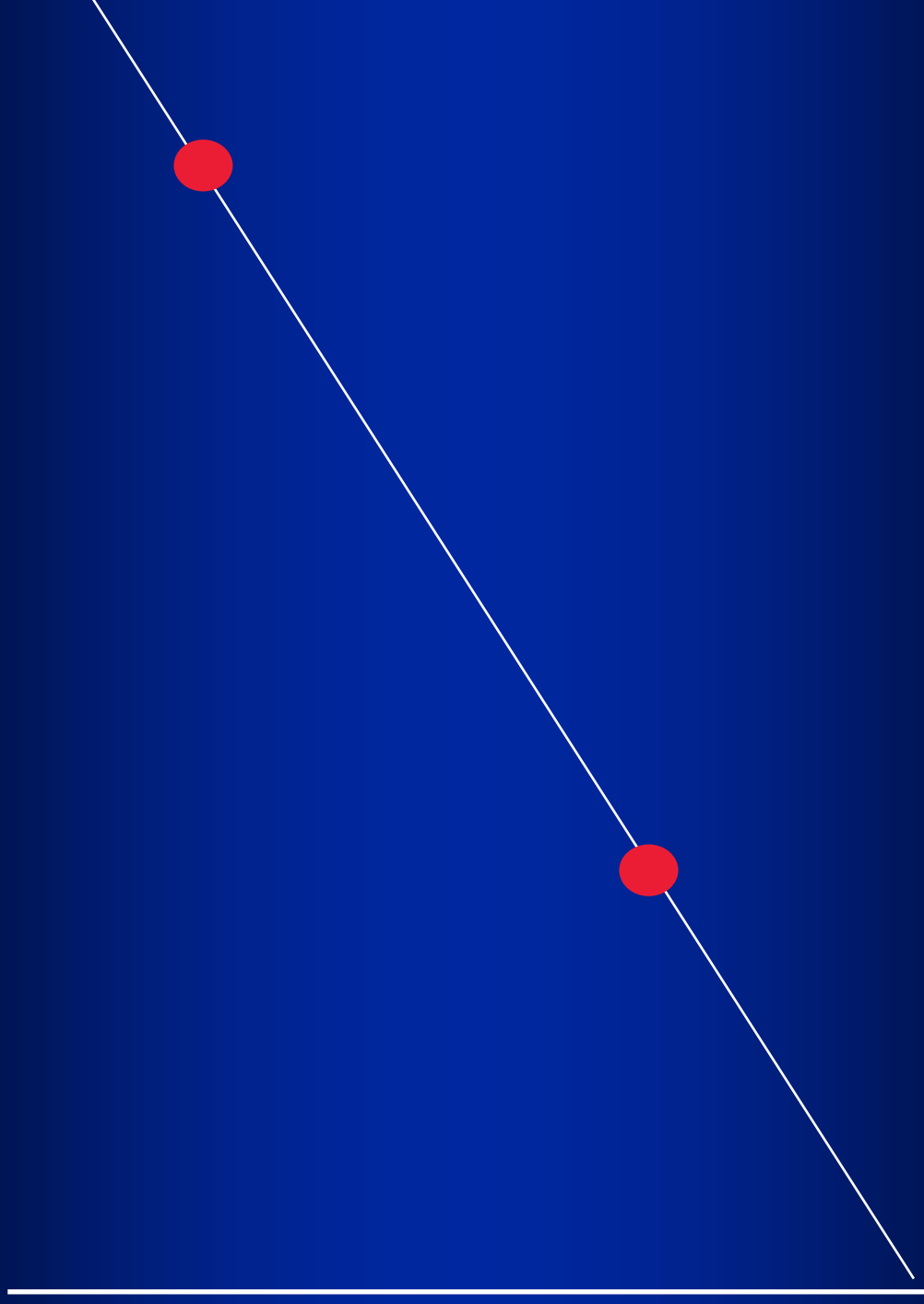
- Association vs relation cause/effet
- Relation mathématiques
- Non applicabilité
- Non linéarité
- Double corrélation

Δ PAM



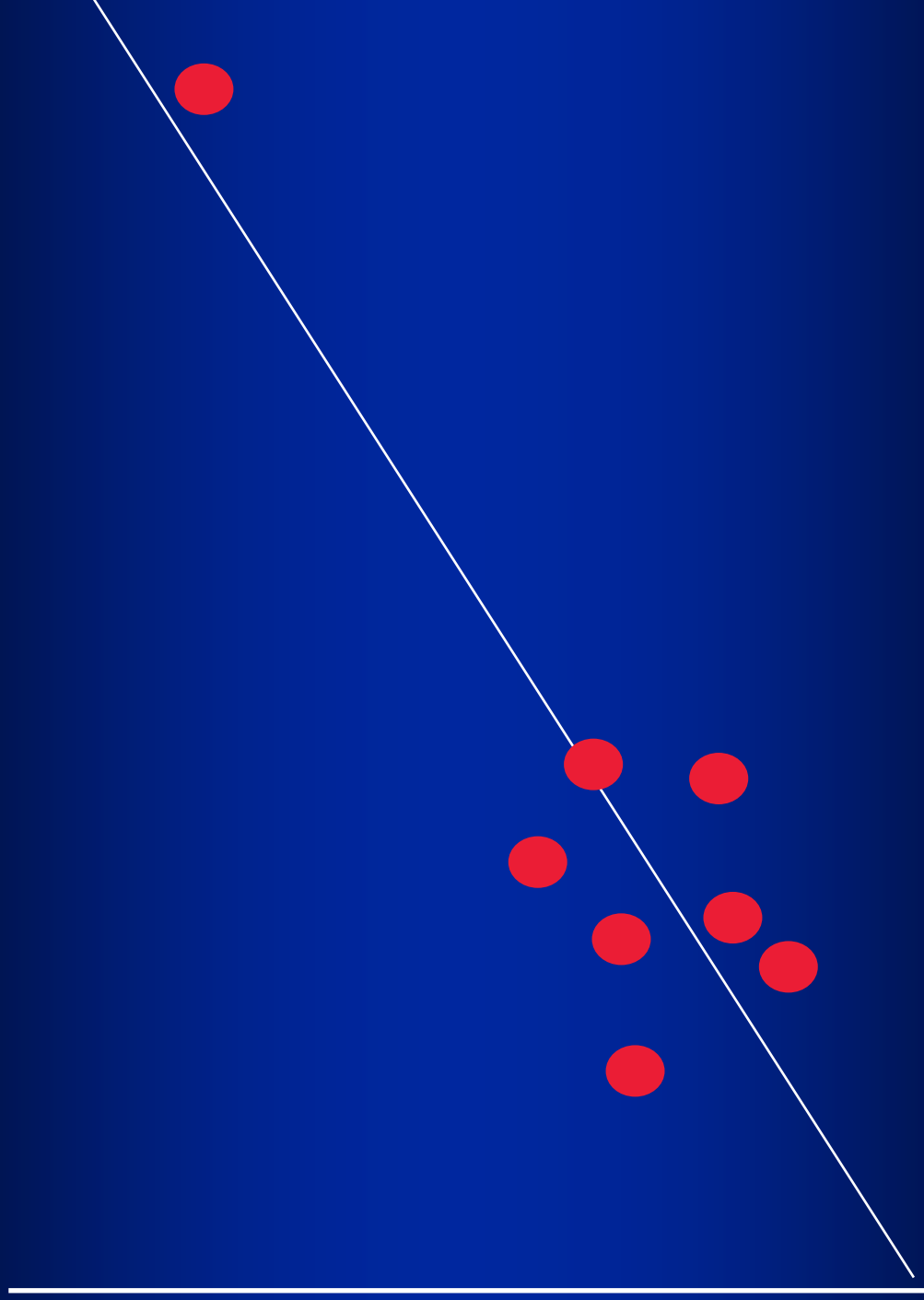
PAM

Variable 2



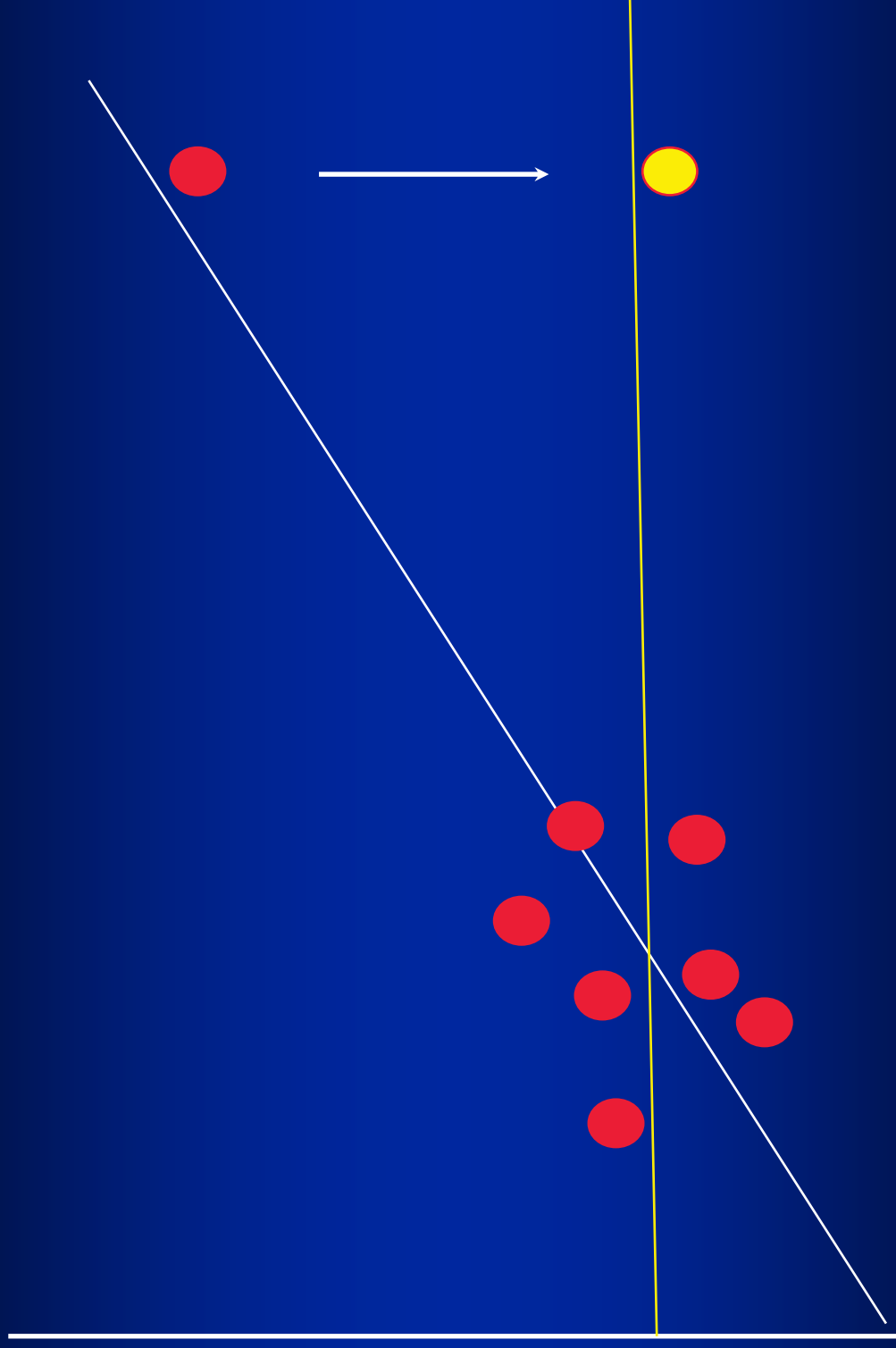
Variable 1

Variable 2

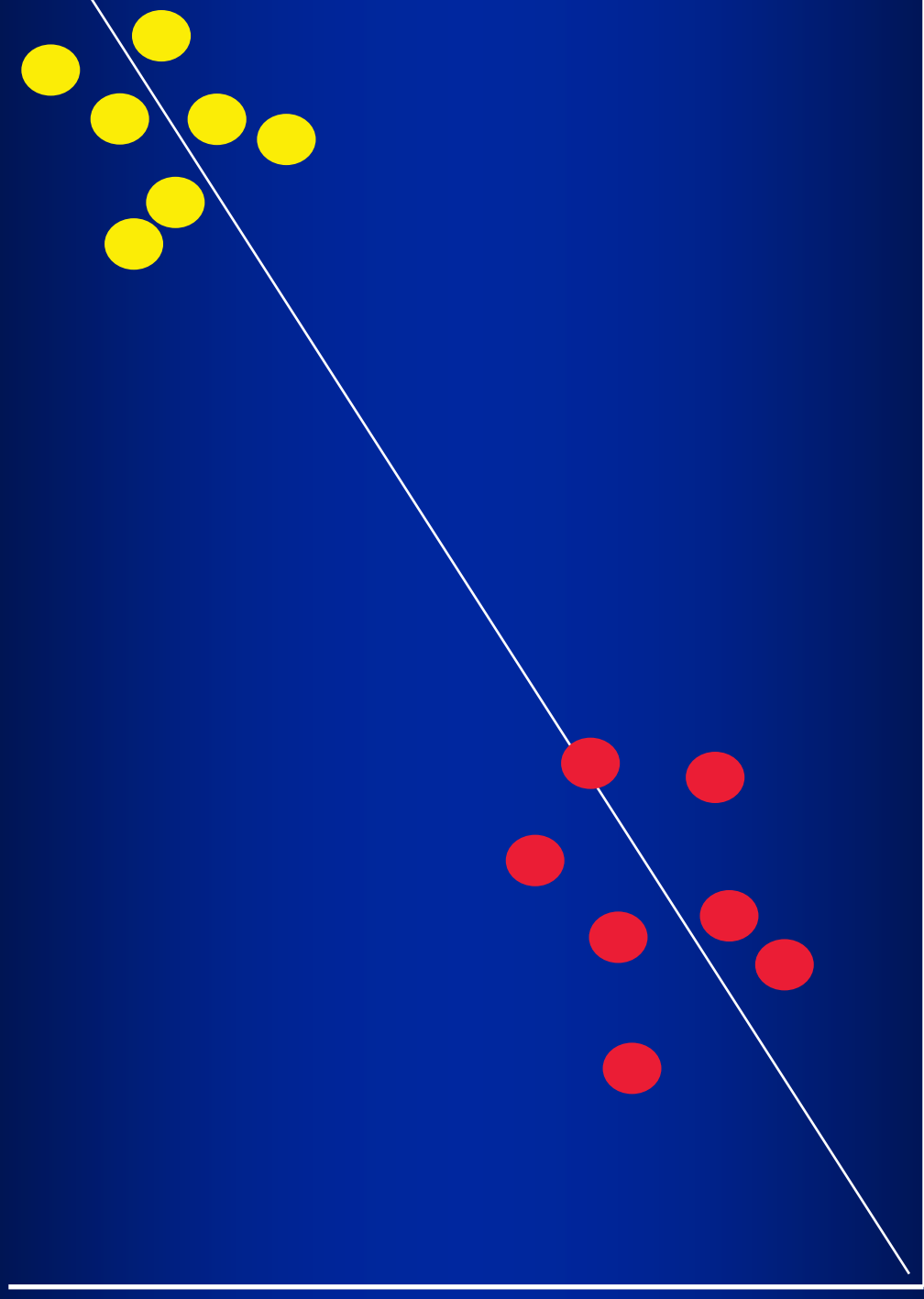


Variable 1

Variable 2



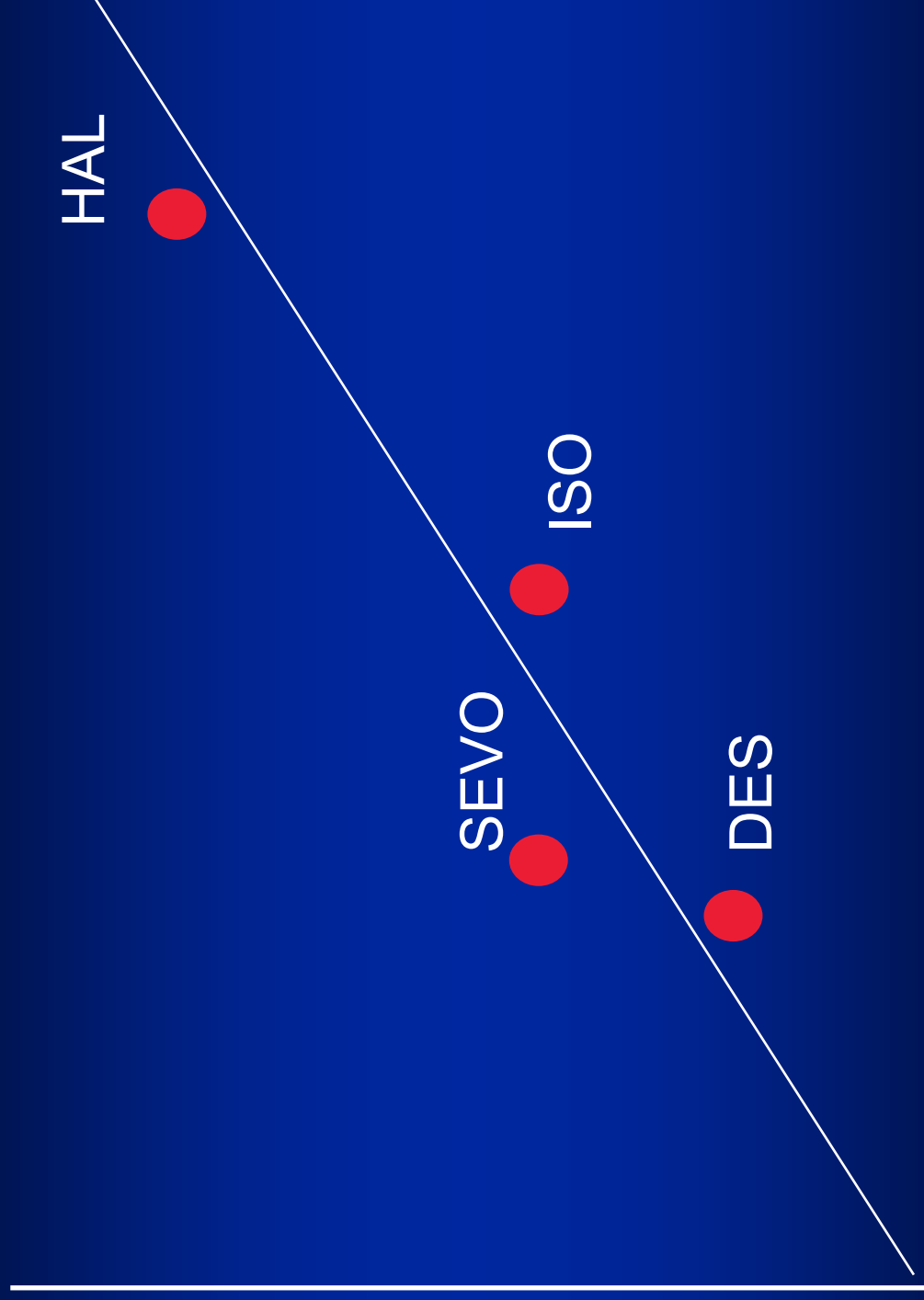
Variable 1



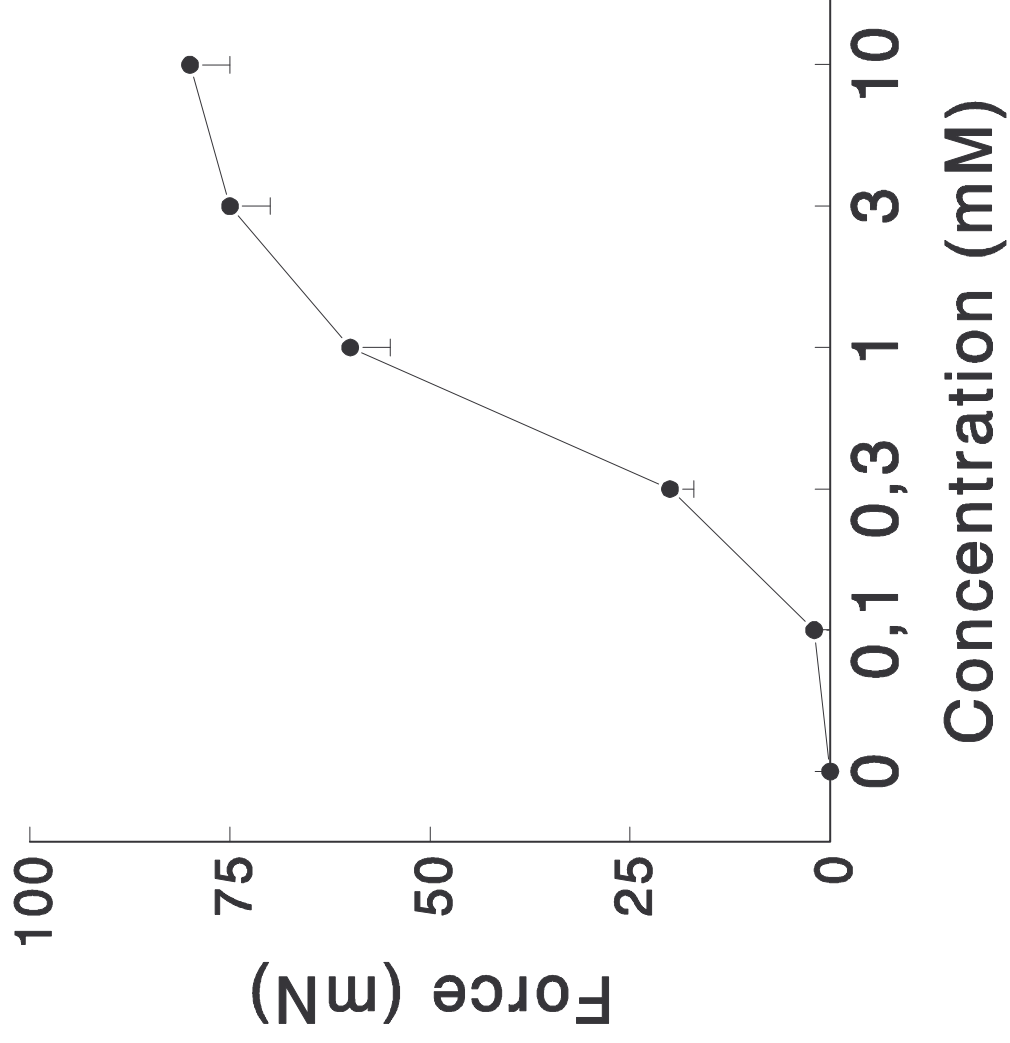
Variable 1

Variable 2

**Reduction
de MAC (%)**



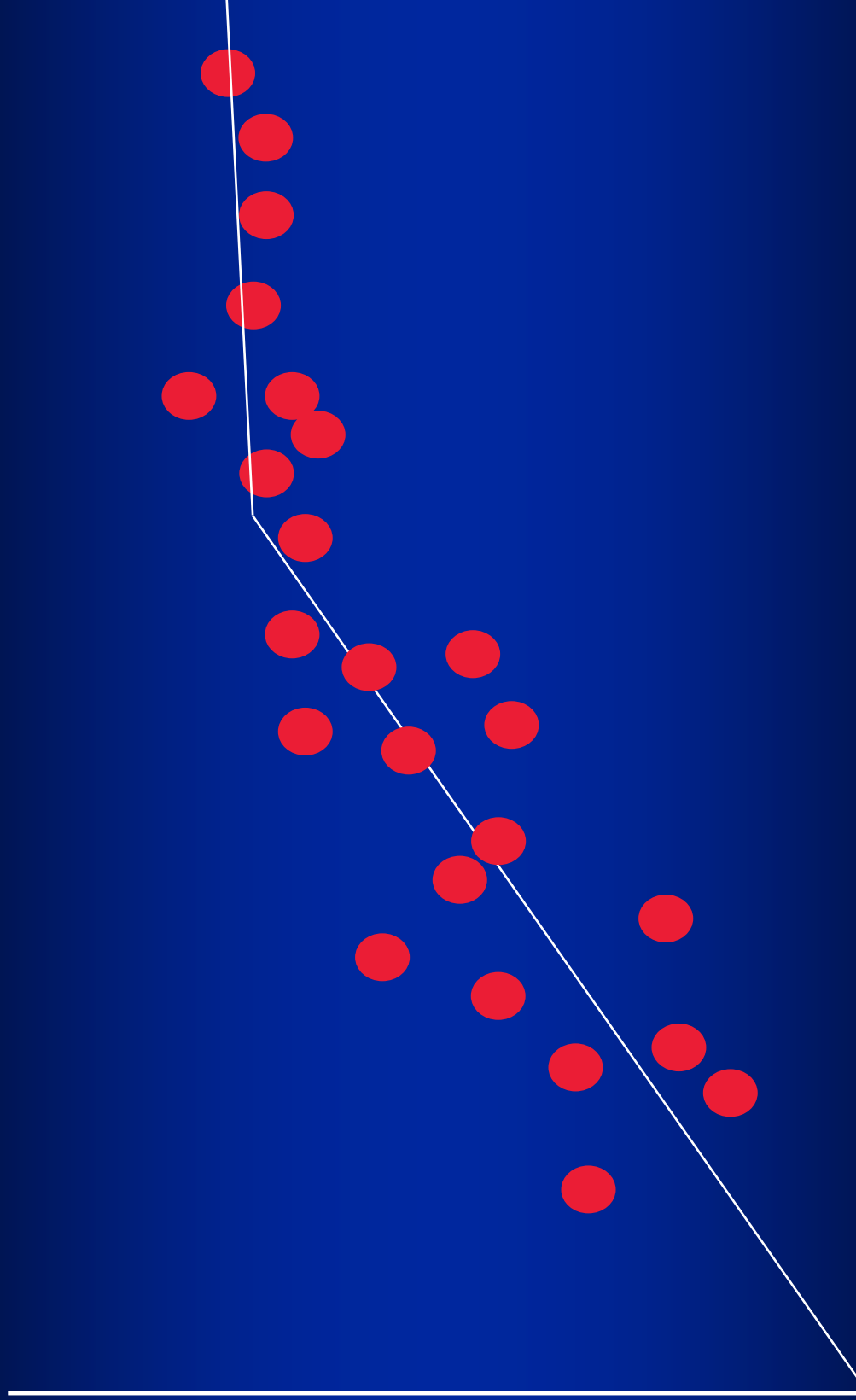
Coefficient de partition



LES PIEGES

- Association vs relation cause/effet
- Relation mathématiques
- Non applicabilité
- Non linéarité
- Double corrélation

Variable 2



Variable 1

RECOMMANDATIONS

- Examiner les corrélations
- Pas de relation de cause à effet
- Modalités d'expression
- Tout n'est pas linéaire
- La corrélation est parfois inadapatee