



Master 1 : Données Apprentissage et Connaissance

Dashboard projet BIUM

Problématique :

Suicide !

Quel est le lien entre la situation socio-économique d'un pays et son taux de suicide ?



Binôme :

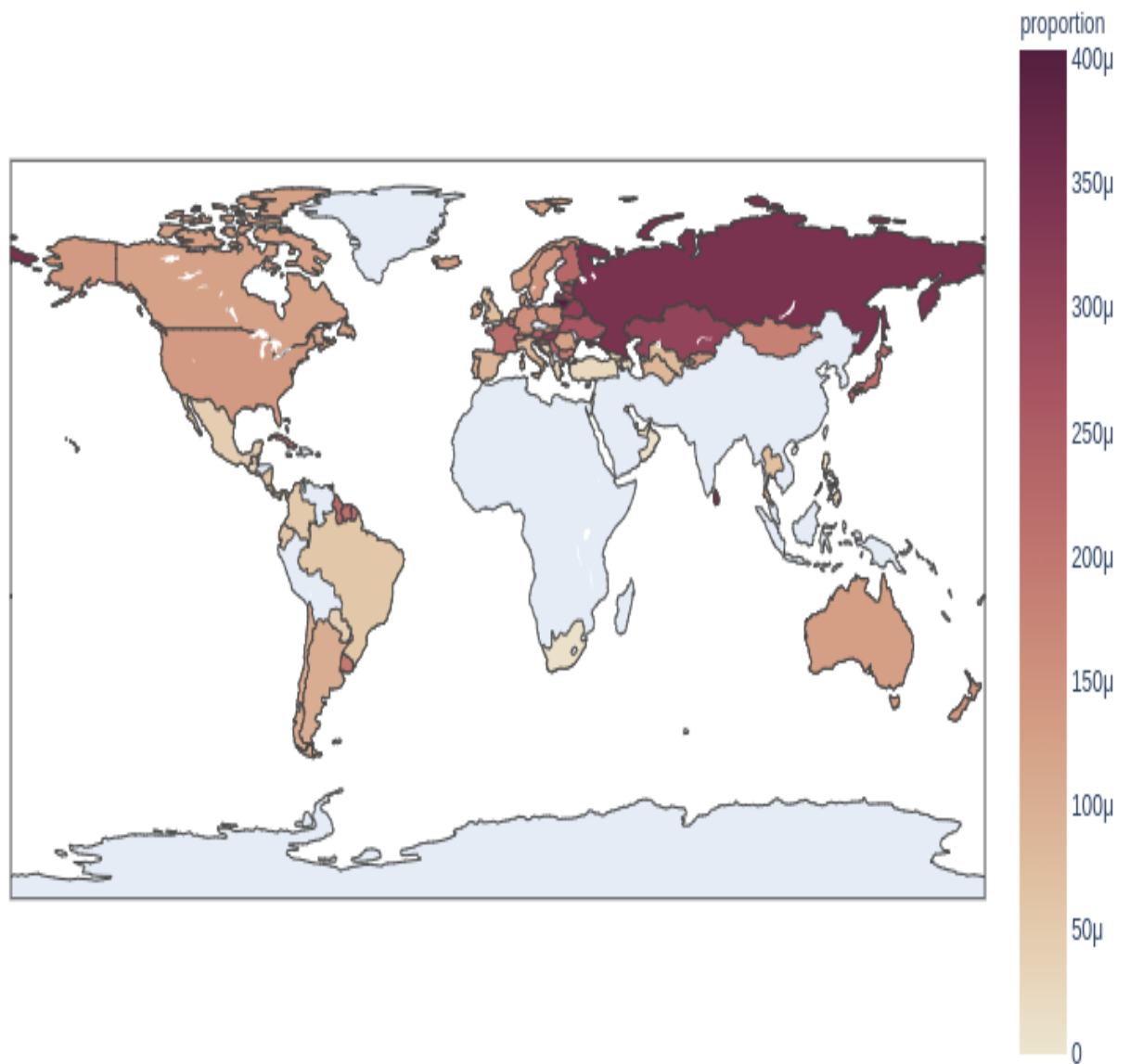
- CHAFAI Tinhinane.
- DJOUDER Sarah .

Analyse socio-économique mondiale du suicide

Chaque suicide est une tragédie

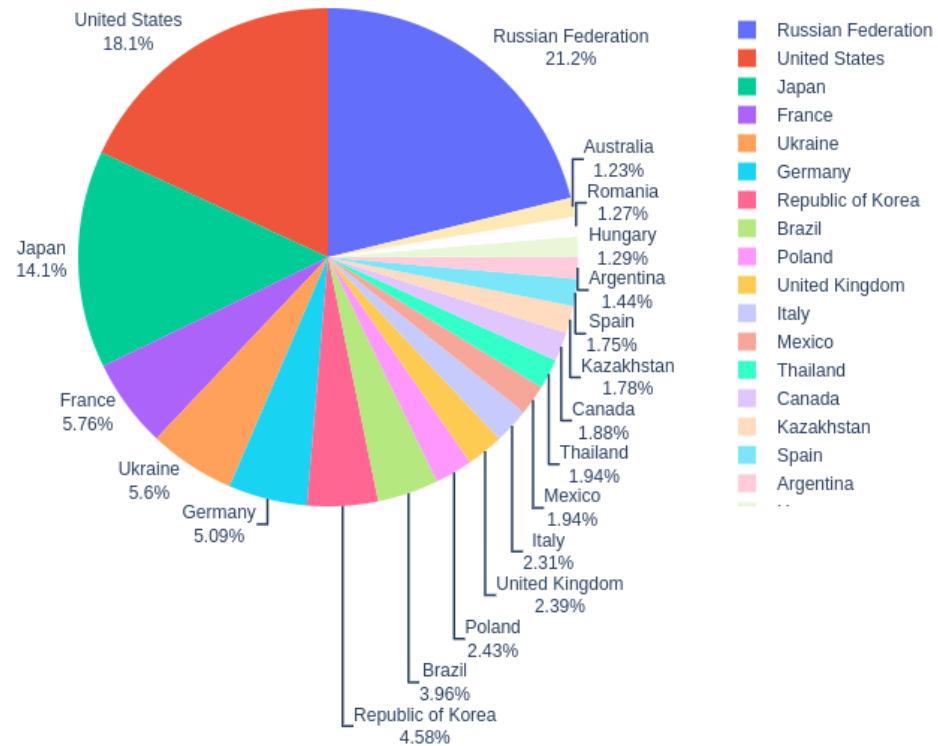
Toutes les 40 secondes, une personne se suicide quelque part dans le monde

Distribution mondiale de taux de suicide (1985-2016):

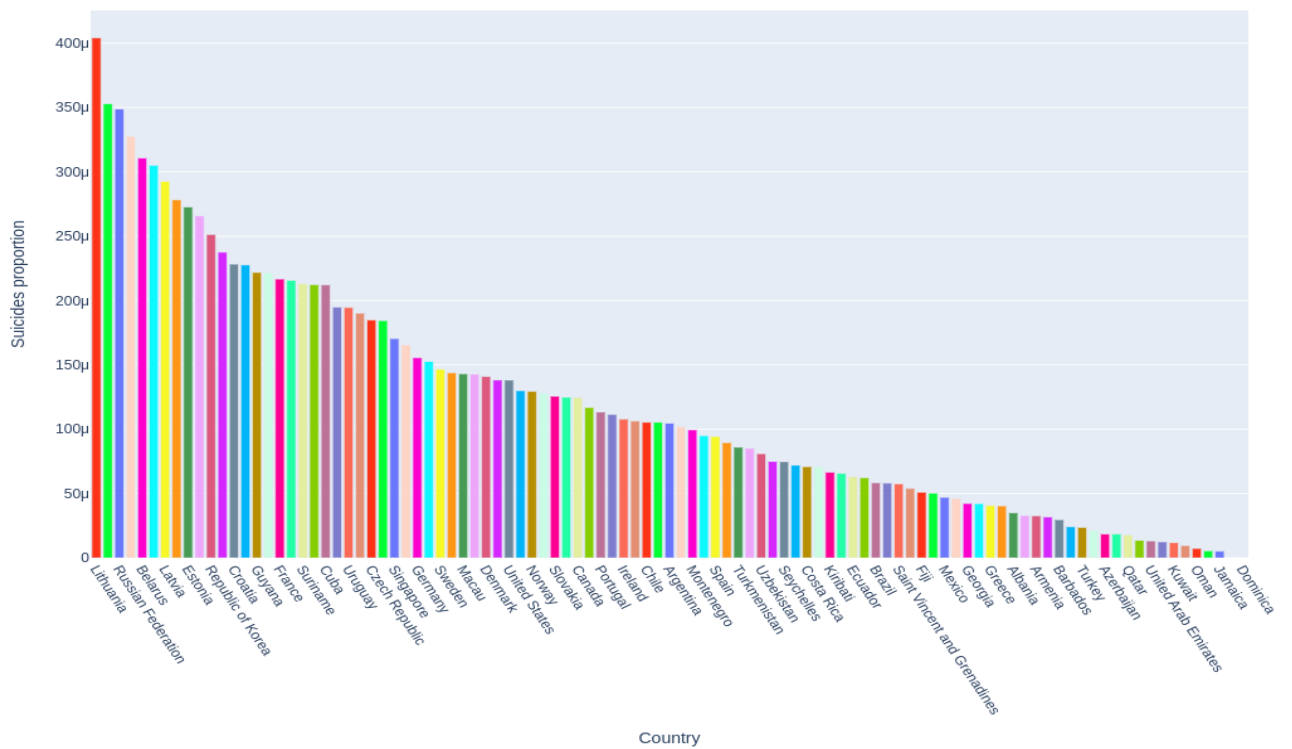


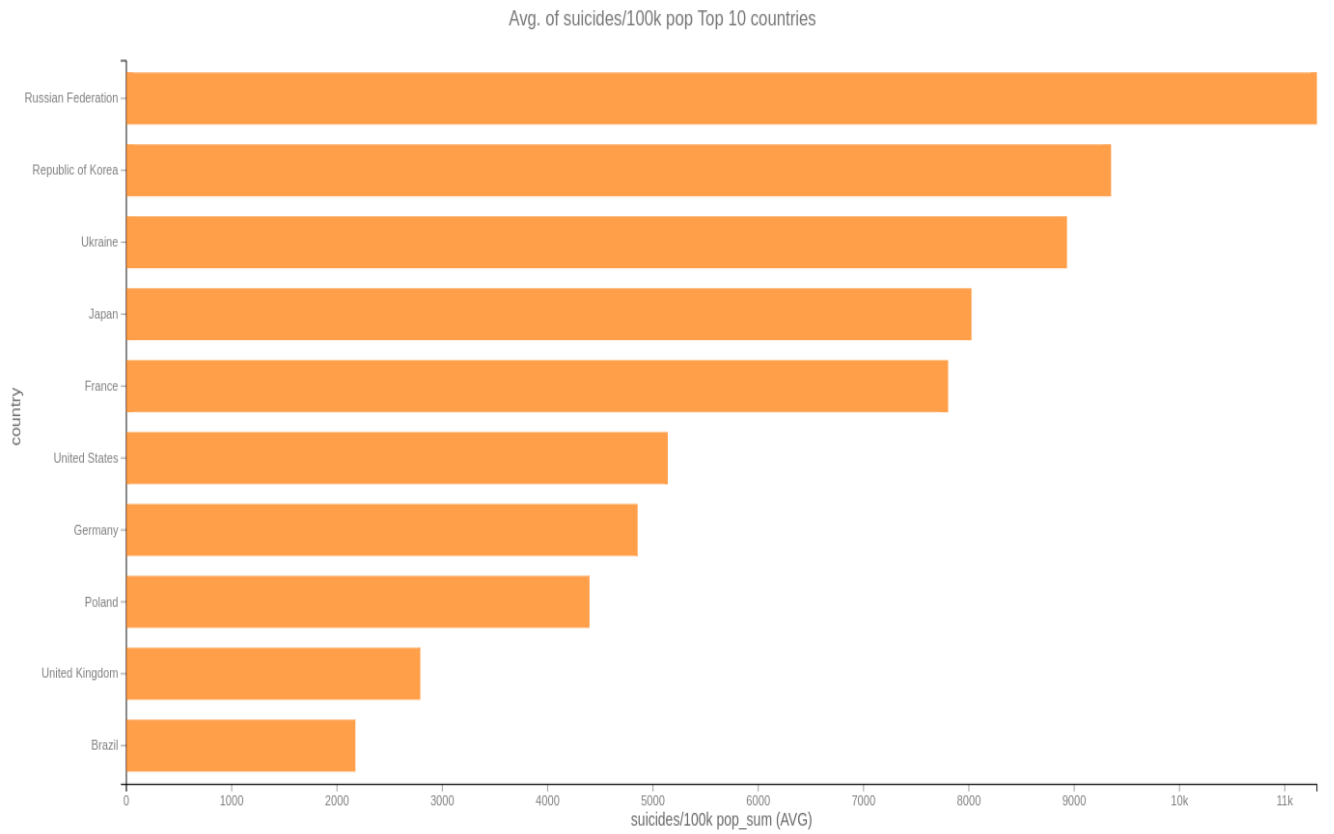
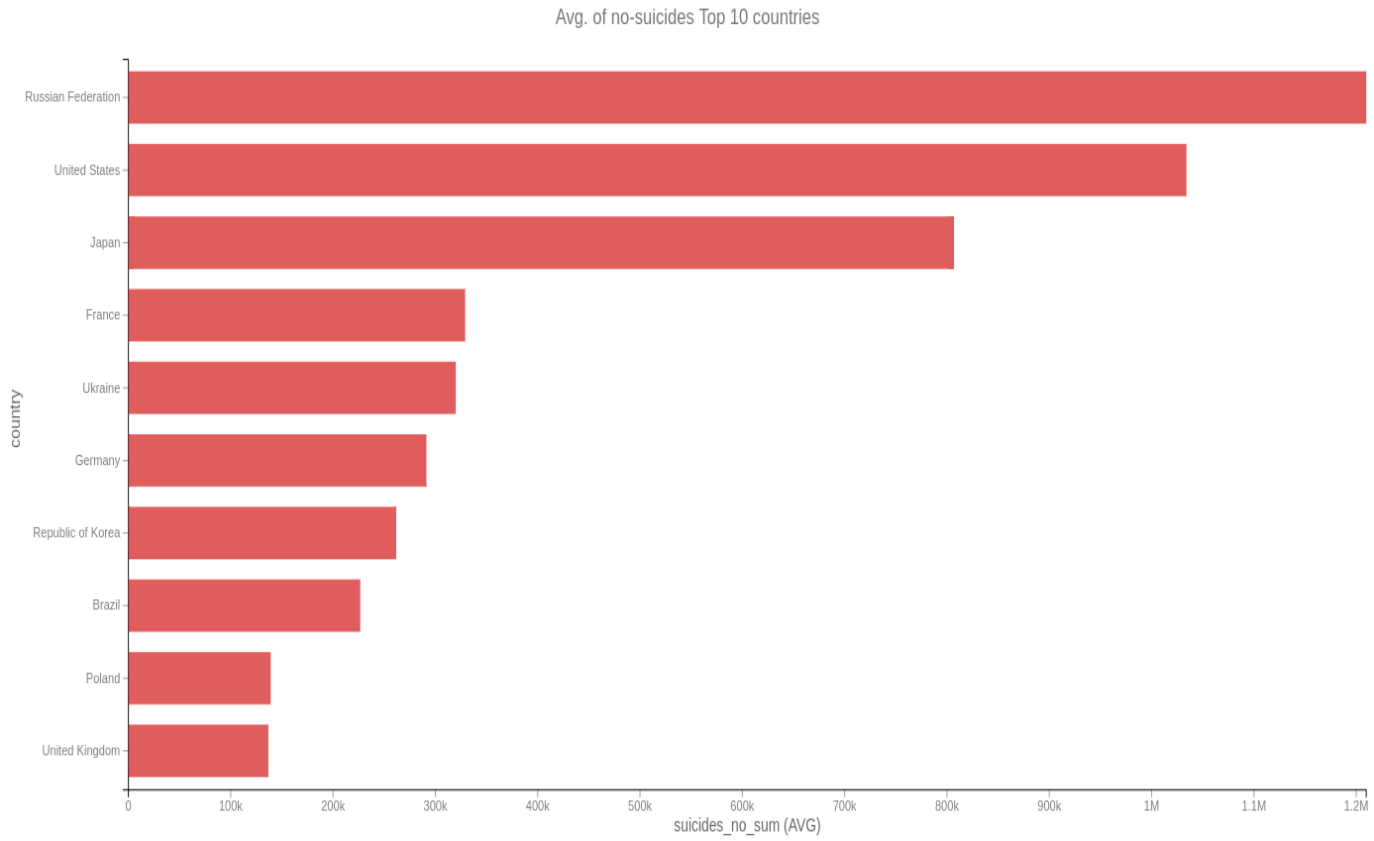
Suicide par pays:

Les pays avec le plus de suicides



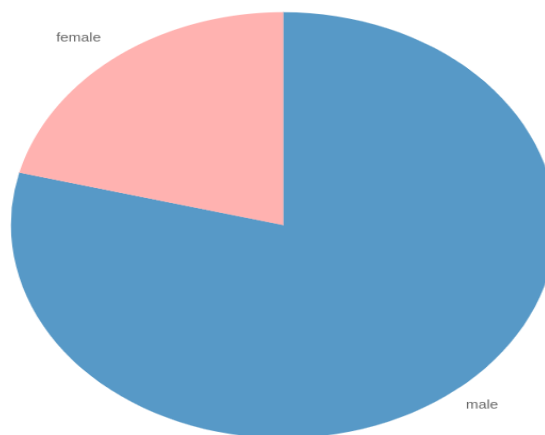
Proportion de suicides par pays



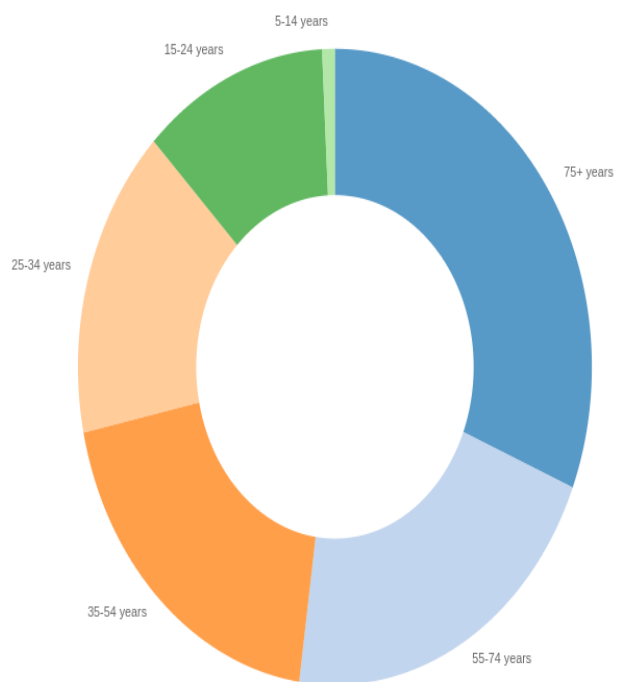


Suicide par sexe et par catégorie d'âge :

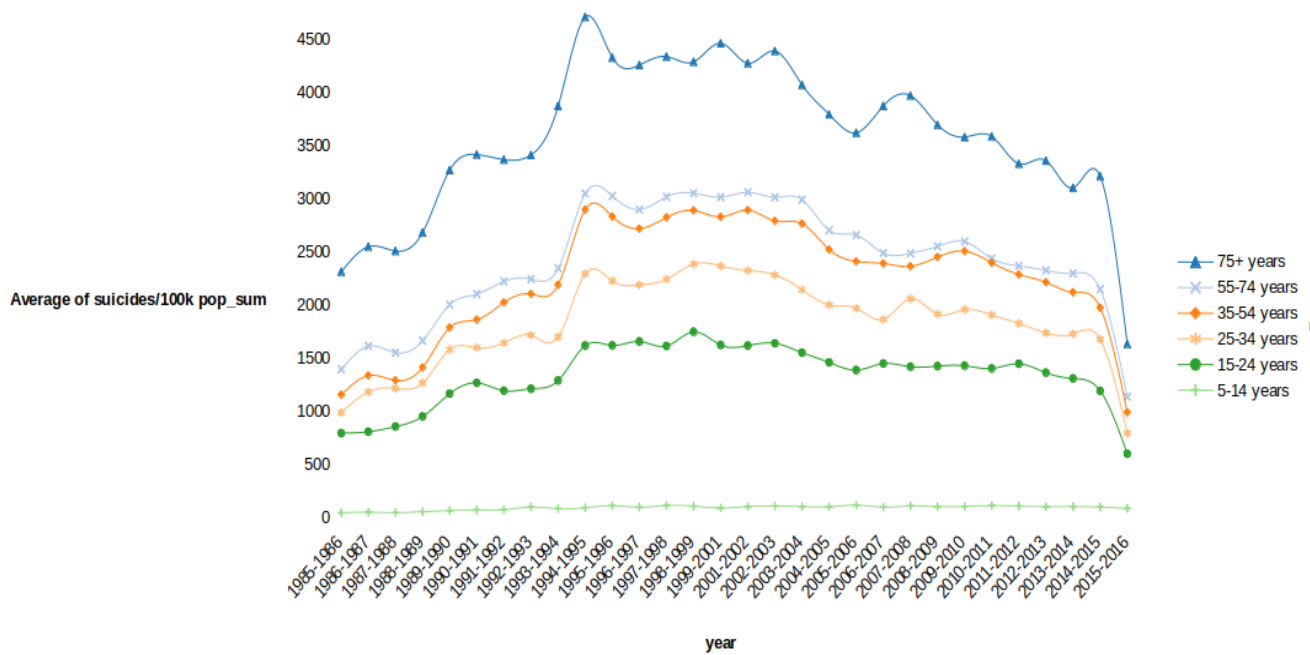
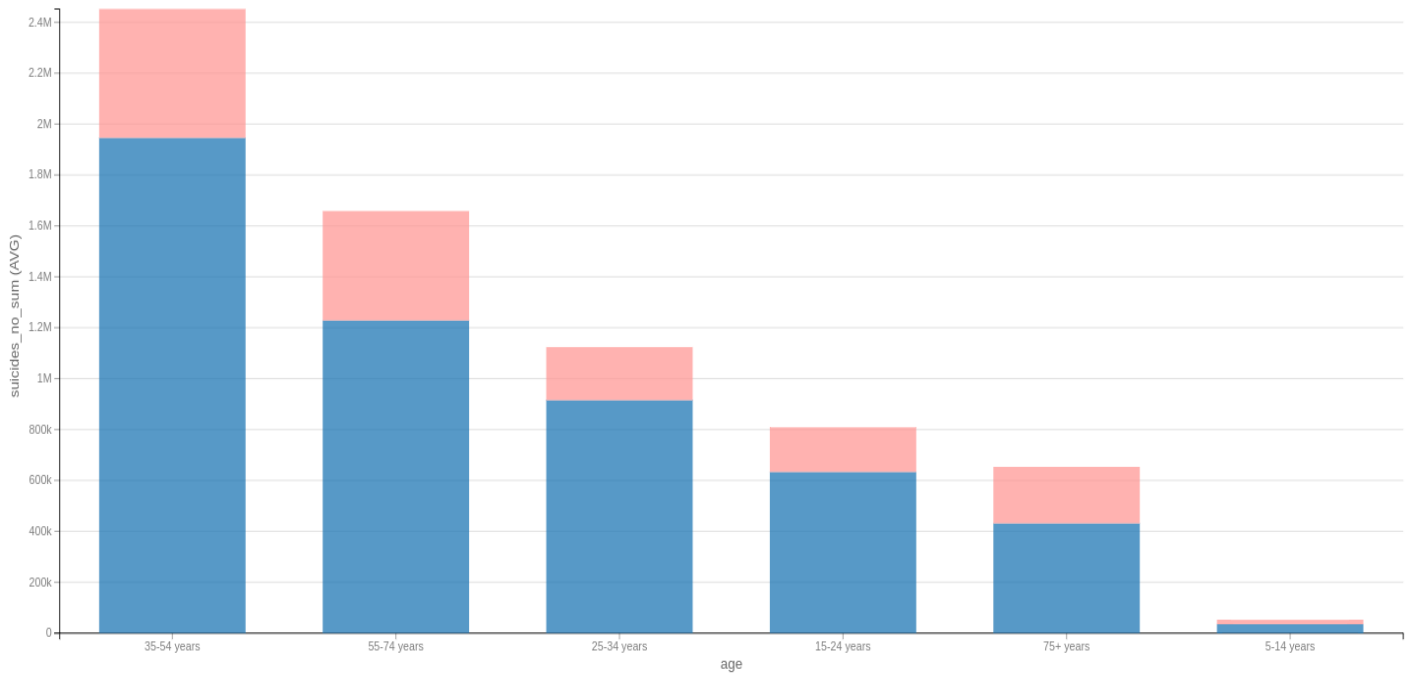
Avg. of suicides/100k pop_sum_sum by sex



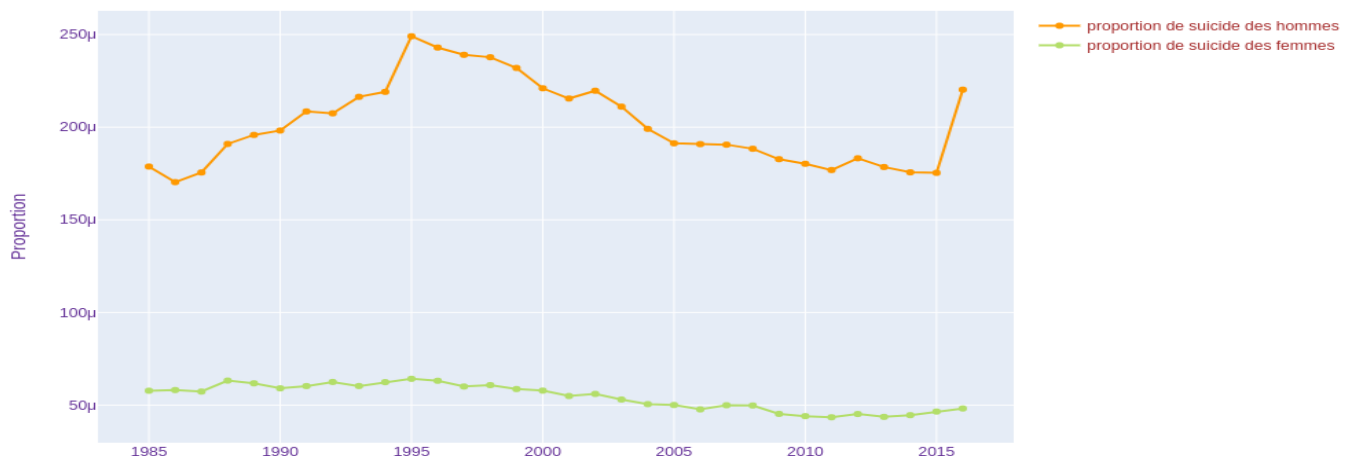
Nombre de suicides selon la tranche d'âge



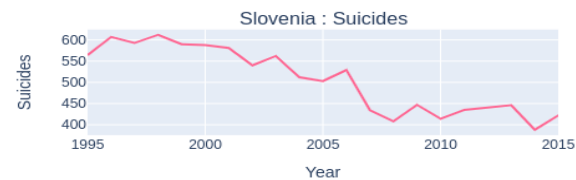
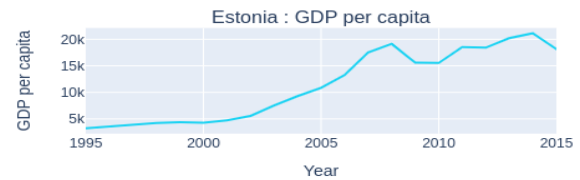
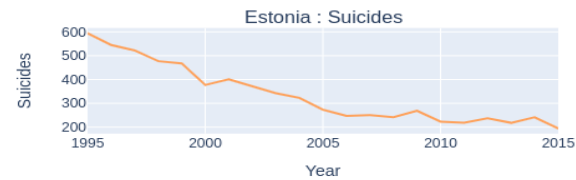
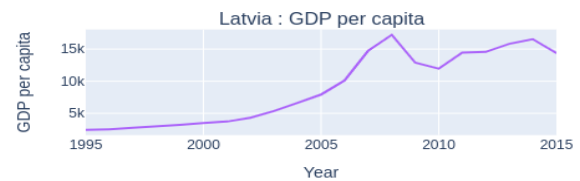
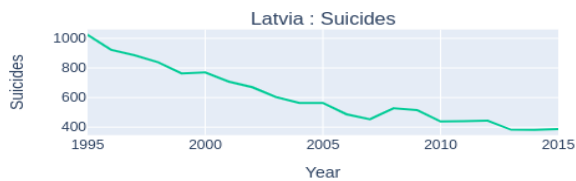
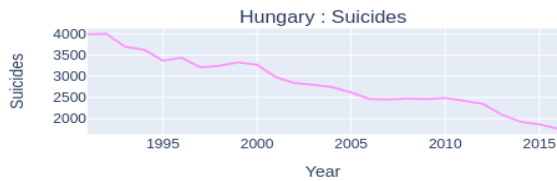
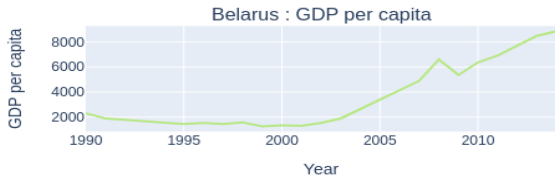
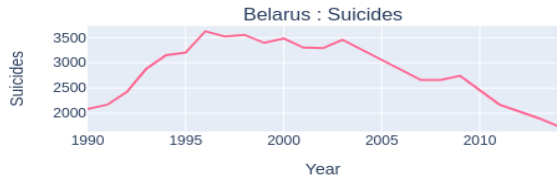
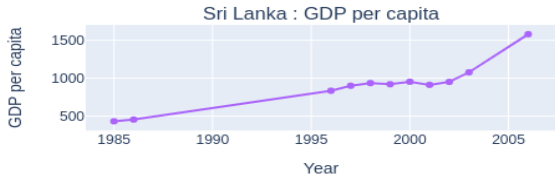
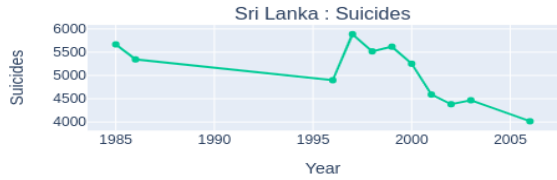
Avg. of suicides_no_sum by age and sex



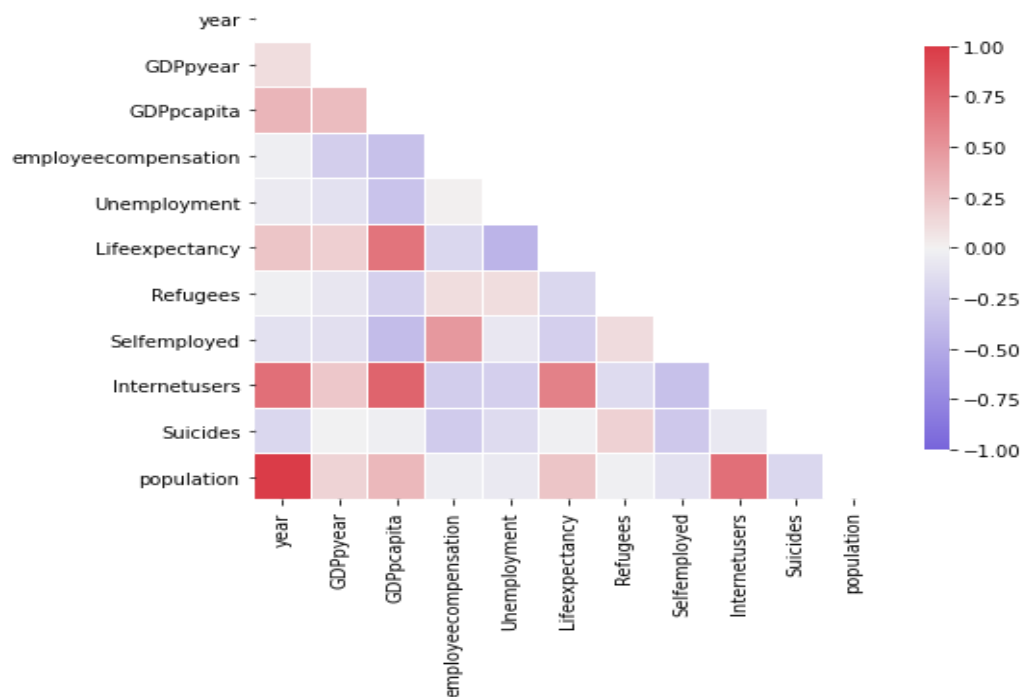
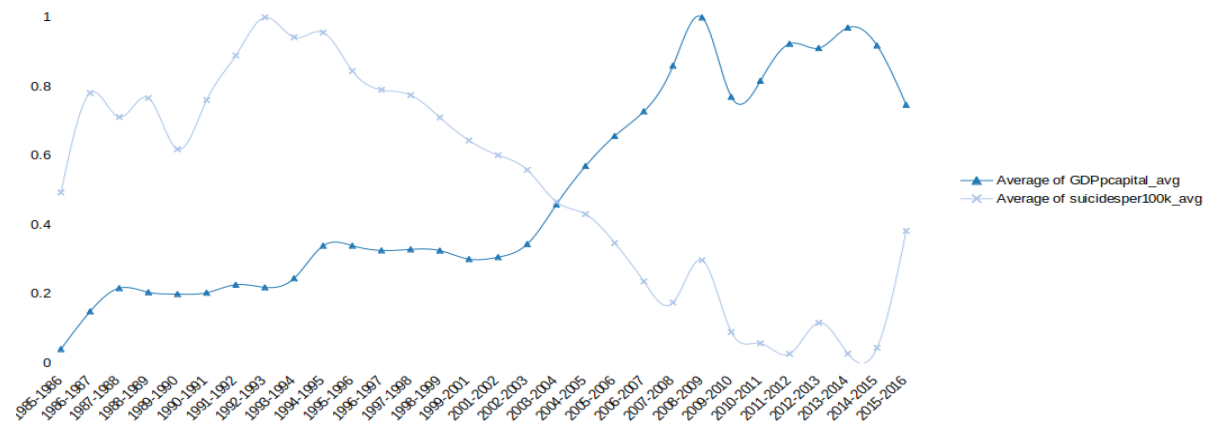
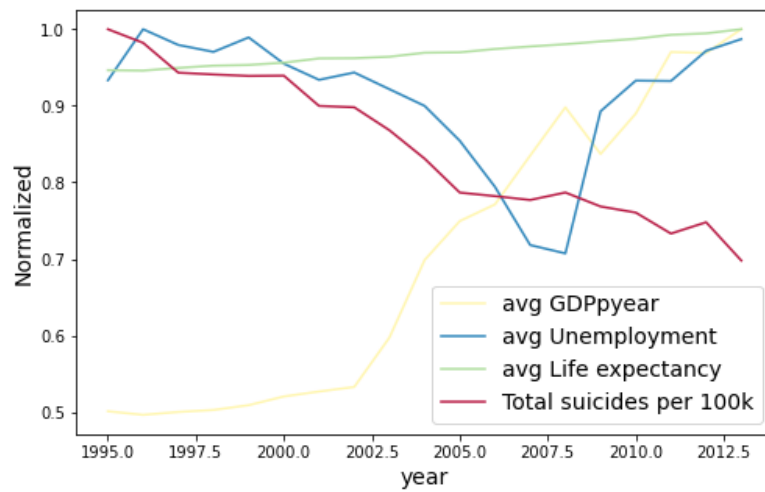
Homme v/s Femme suicide proportion a travers les années



Suicides et GDP per capita dans les Top 5 pays de suicide



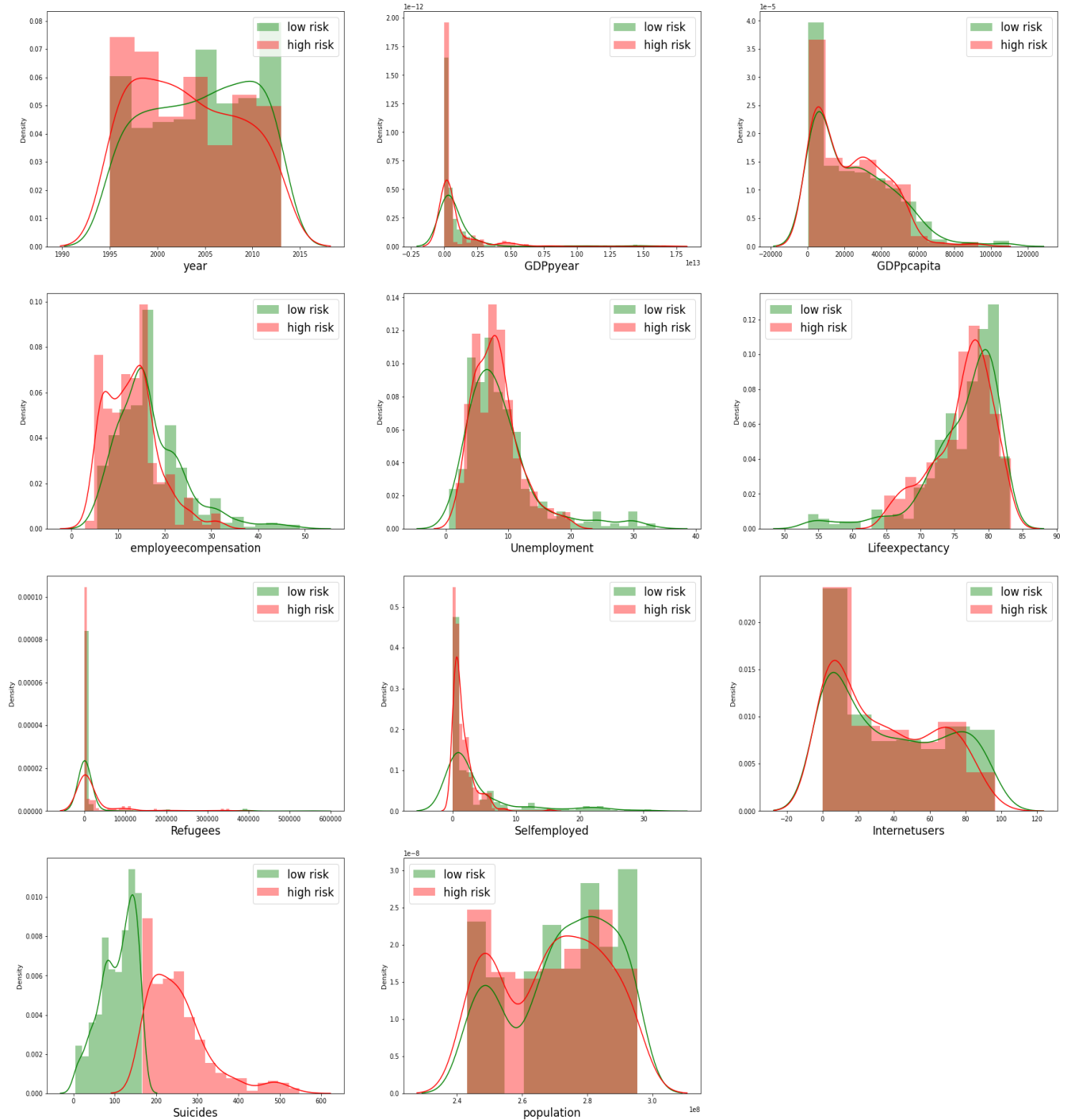
Les Corrélations avec le suicide :



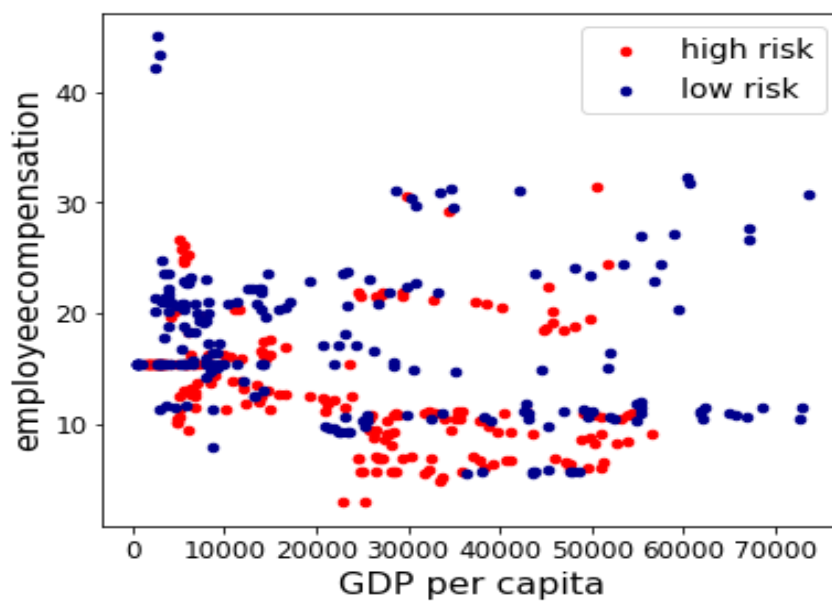
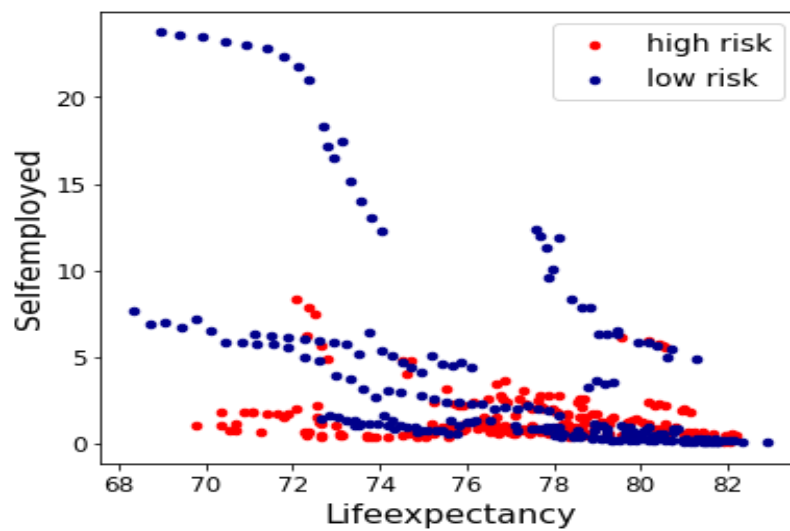
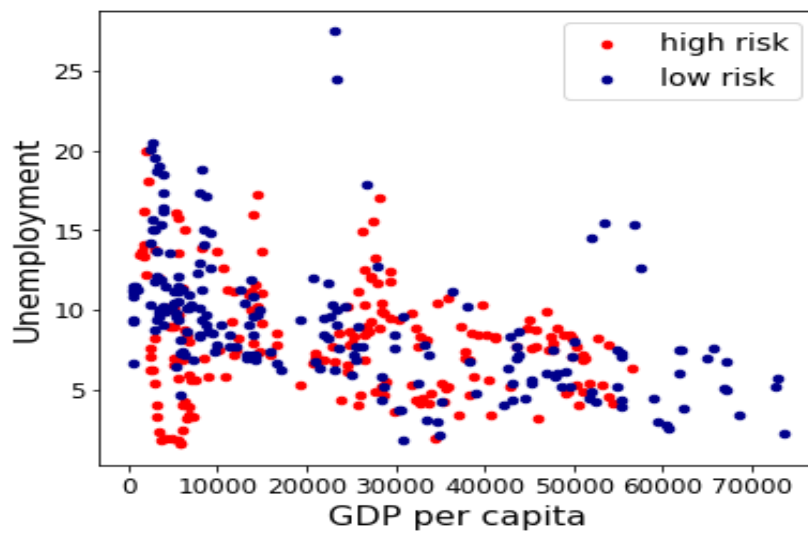
Distribution des features après avoir séparé en 2 classes :

Classe high risk : taux de suicide plus grand que la moyenne

Classe low risk : taux de suicide plus petit que la moyenne



Distribution des features socio-économiques dans les 2 classes:



L'importance des features par modèles de classification :

