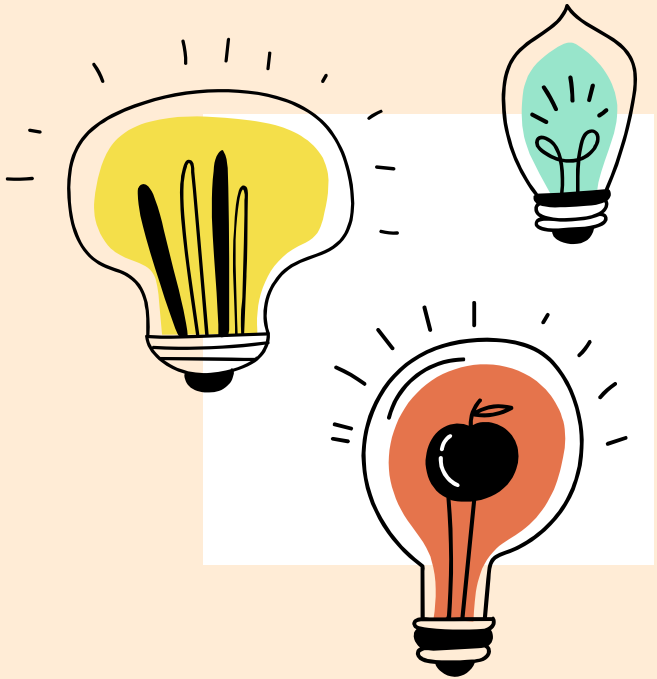
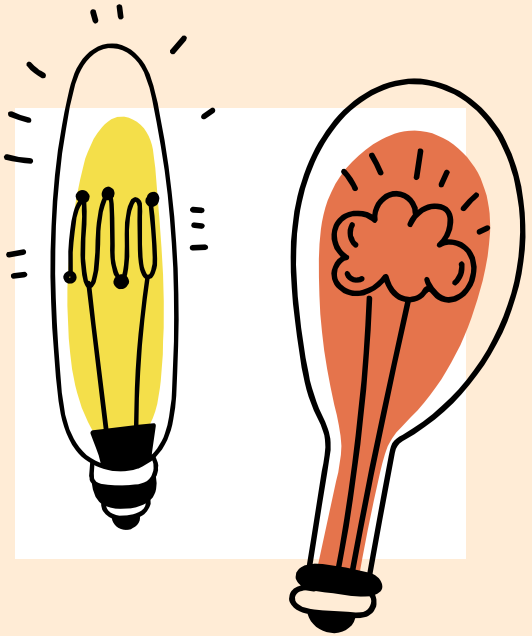
Chauffage domestique : étude de la consommation



Sommaire

01

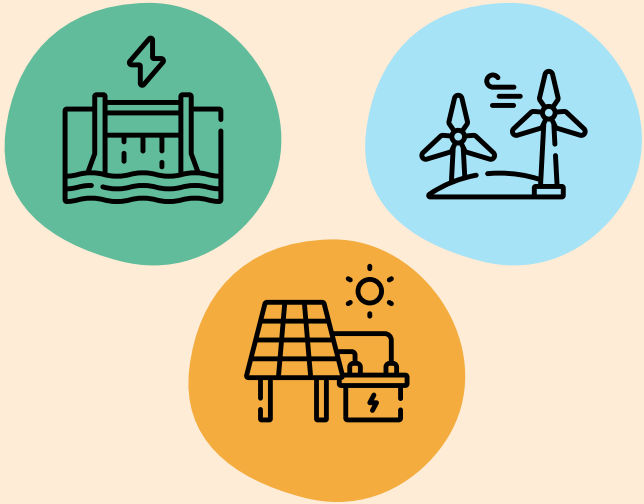
Introduction



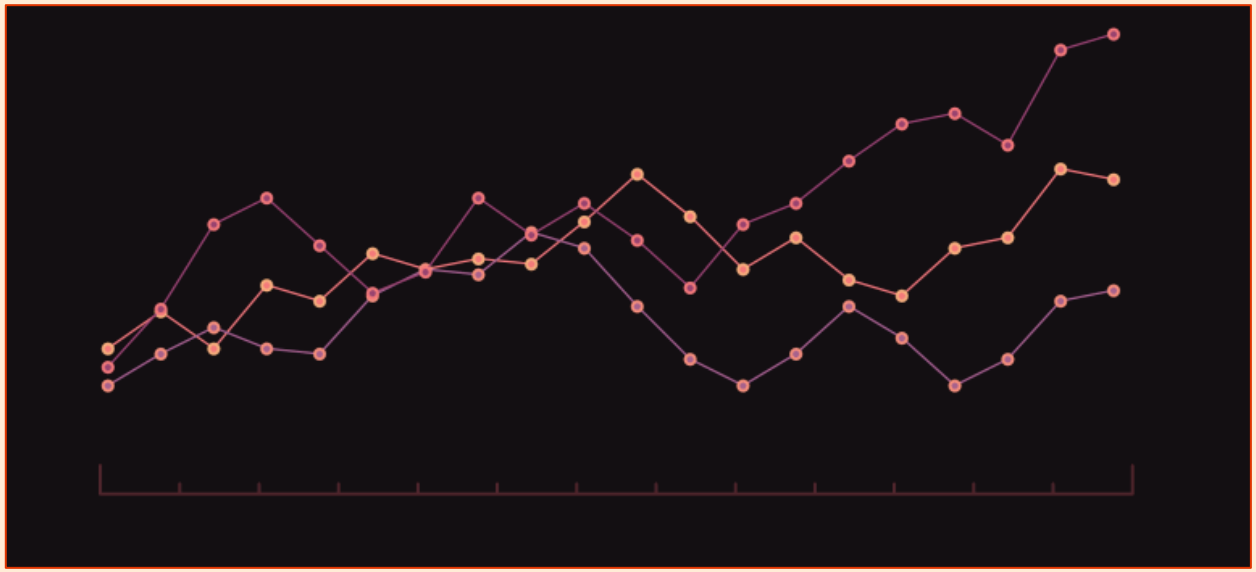
Qui sommes-nous ?

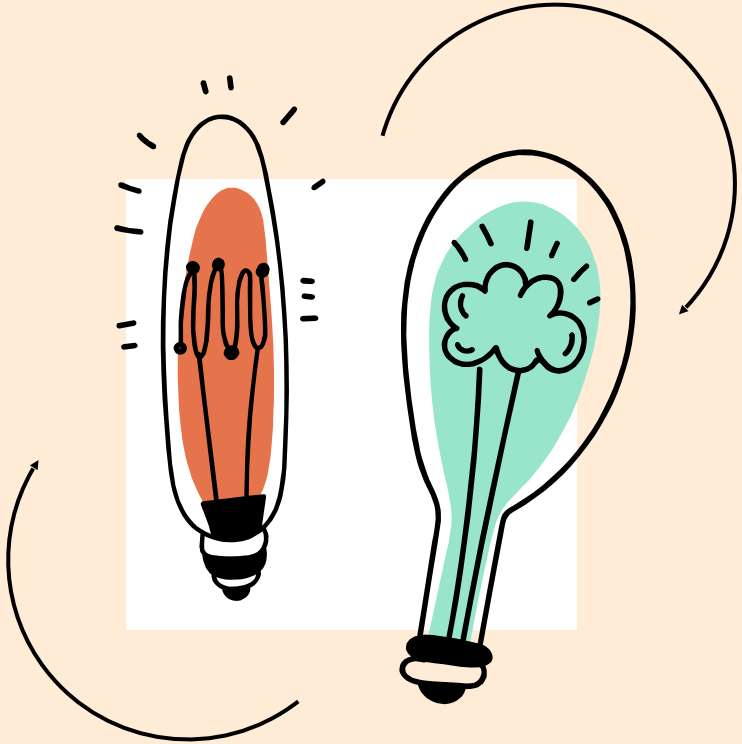
ENERCOOP

Depuis 2007



Notre problématique

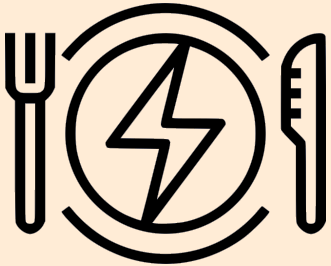


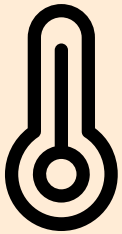


02

Présentation des données

Quelles données ?



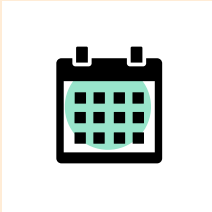


Effet température

DJU

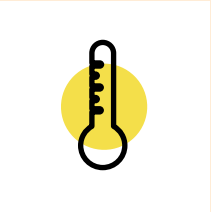
CEGIBAT

Quelles données ?

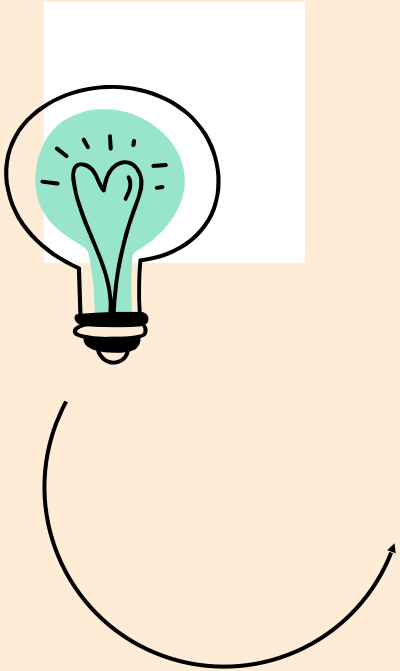


Date

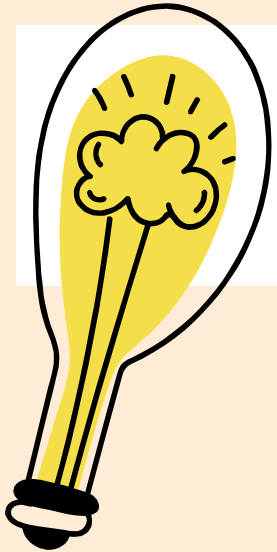
Consommation



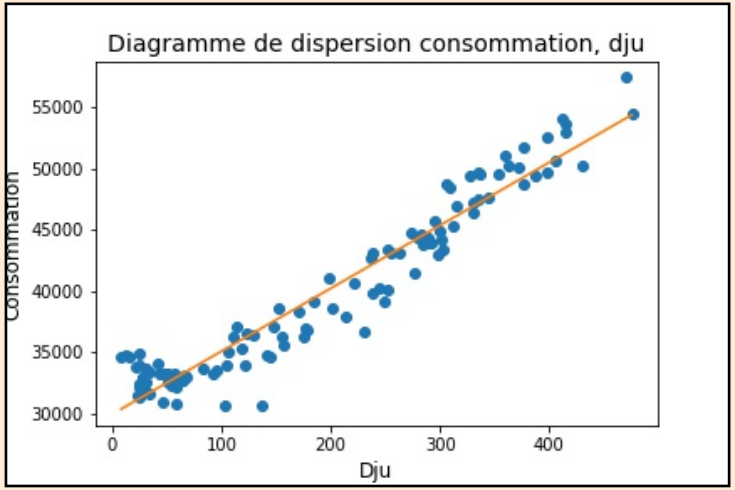
DJU



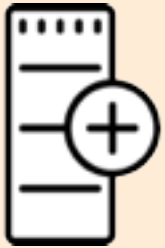
03
Correction de l’effet Température

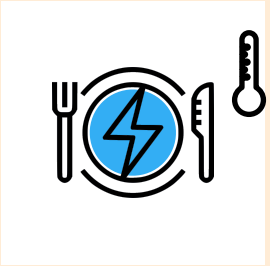


Correction de l'effet Température

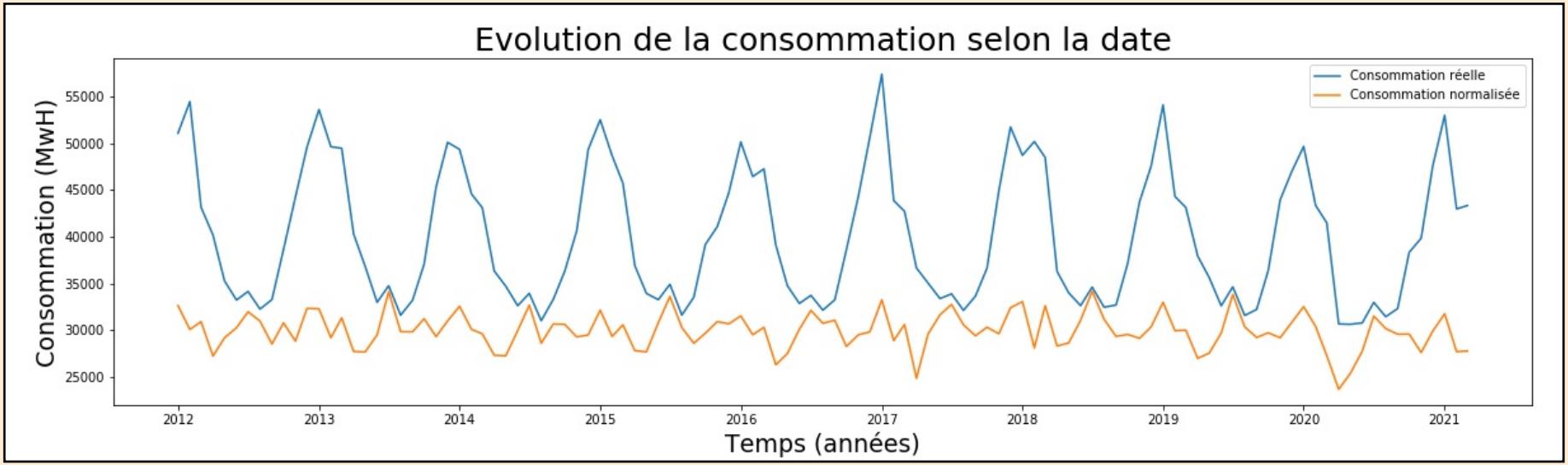


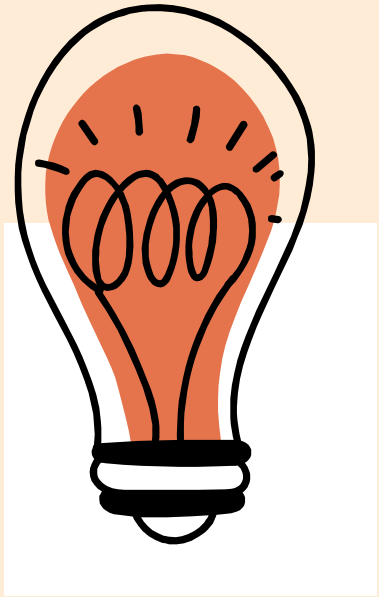
Coefficients : a = 51 ; b = 29 951





Correction effet température

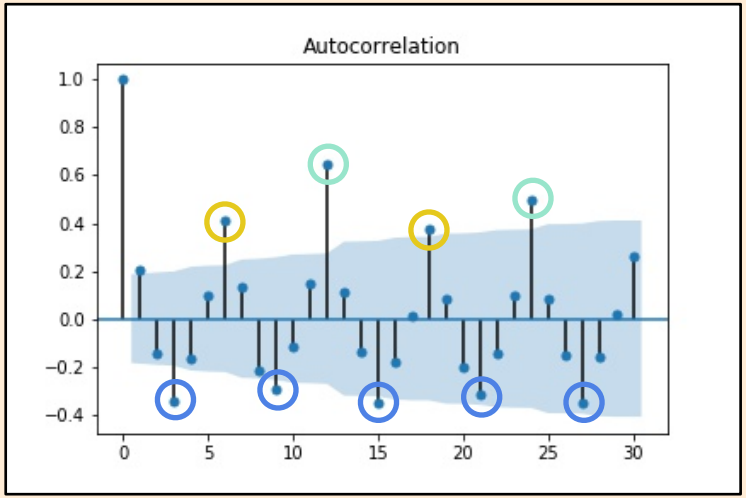




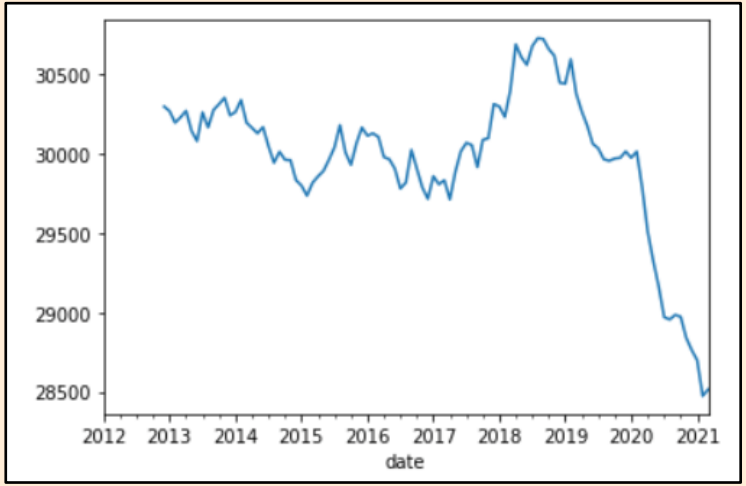
04

Désaisonnalisation et stationnarisation

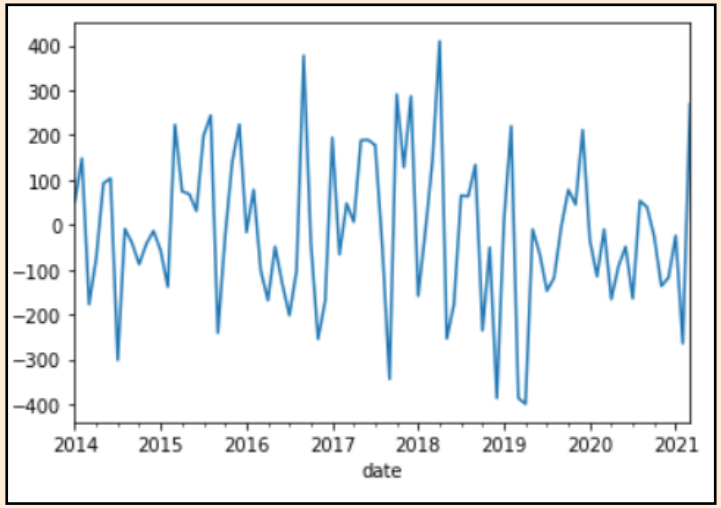
Désaisonnalisation



12 ; 6 ; 3



Stationnarisation



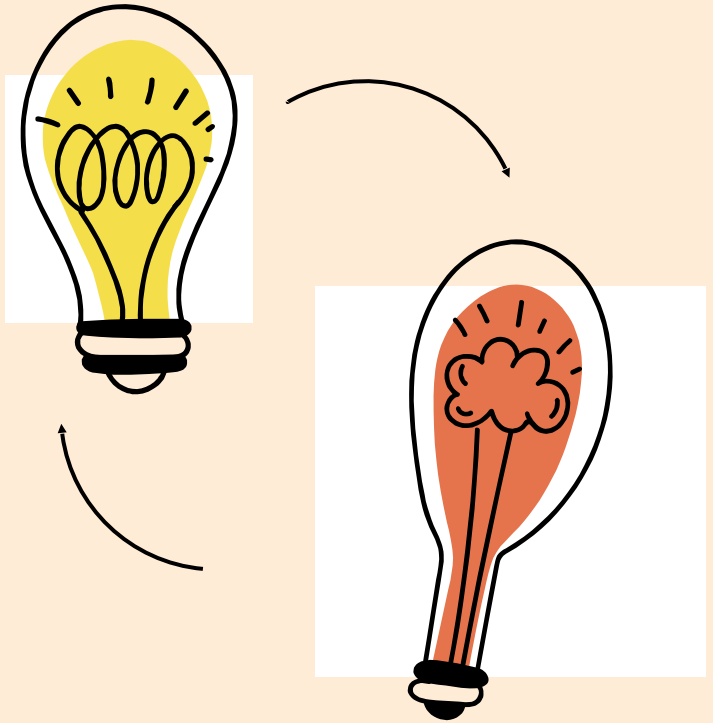
2 différenciations.

Dickey-Fuller : p-value < 5%

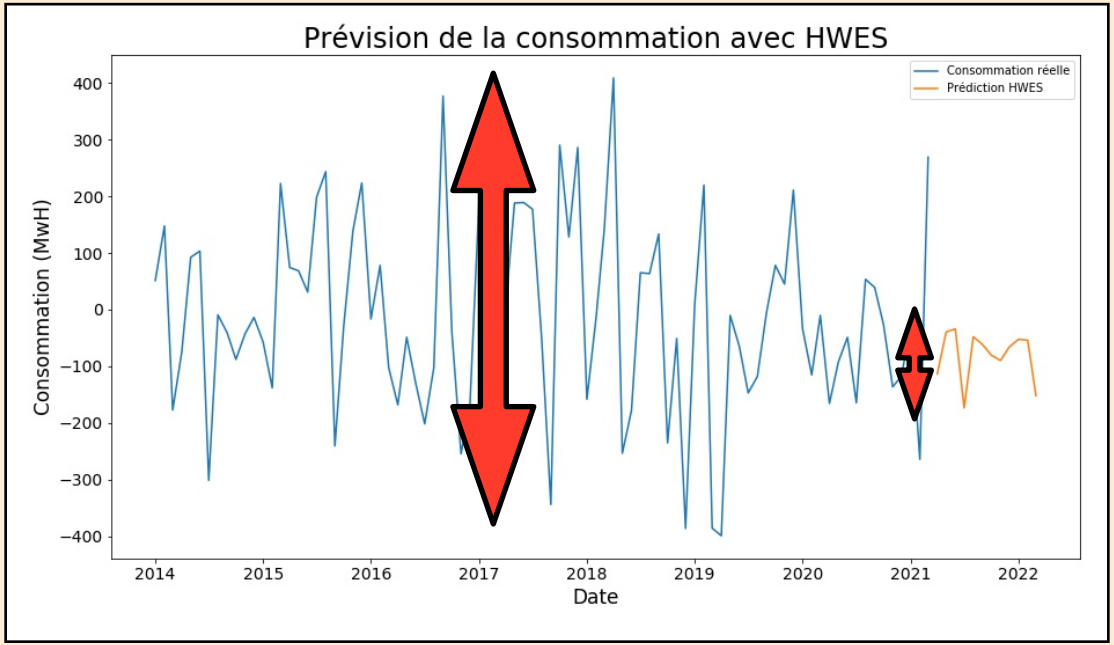
d = 1 et D = 1

05

Prédictions

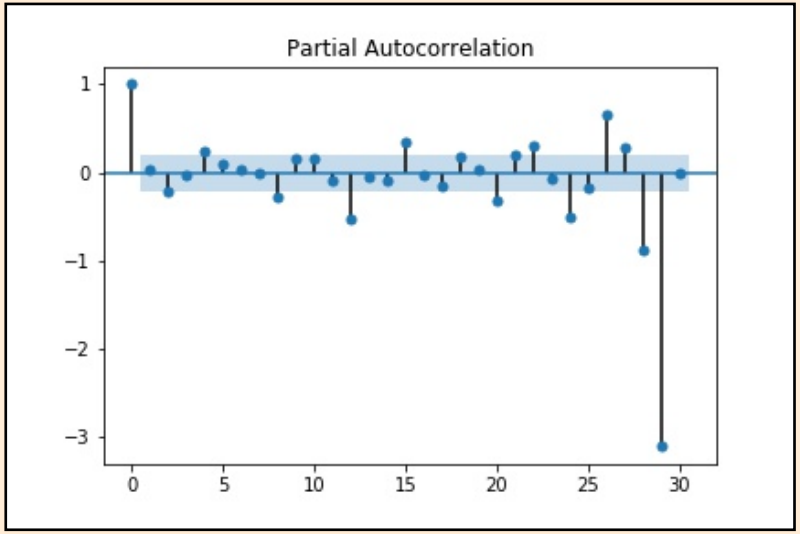


Prédiction Holt-Winters

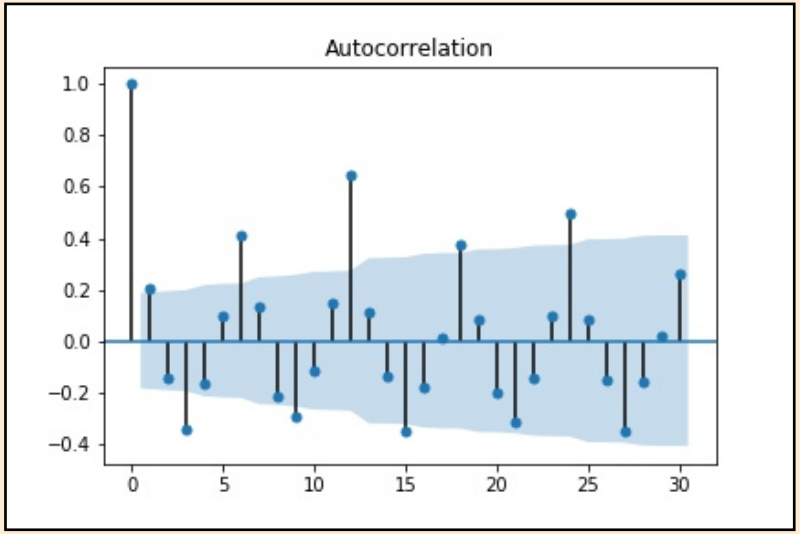


RMSE = 142
MAPE = 1.2

Prédiction SARIMA

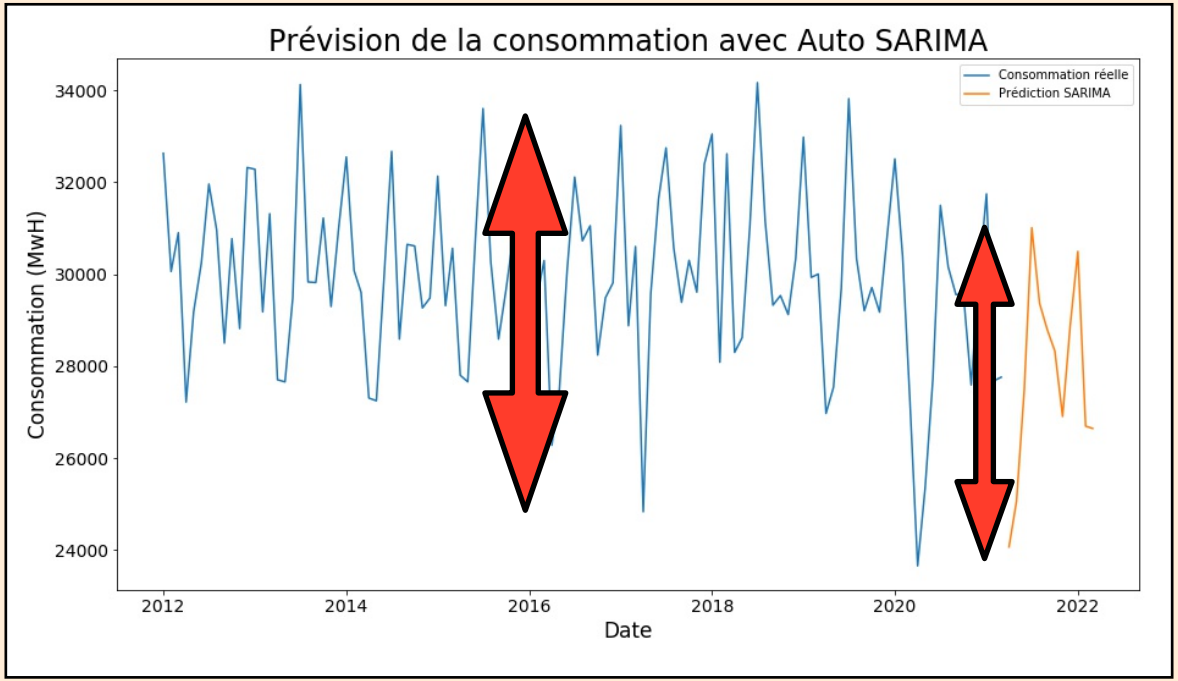


p = 0



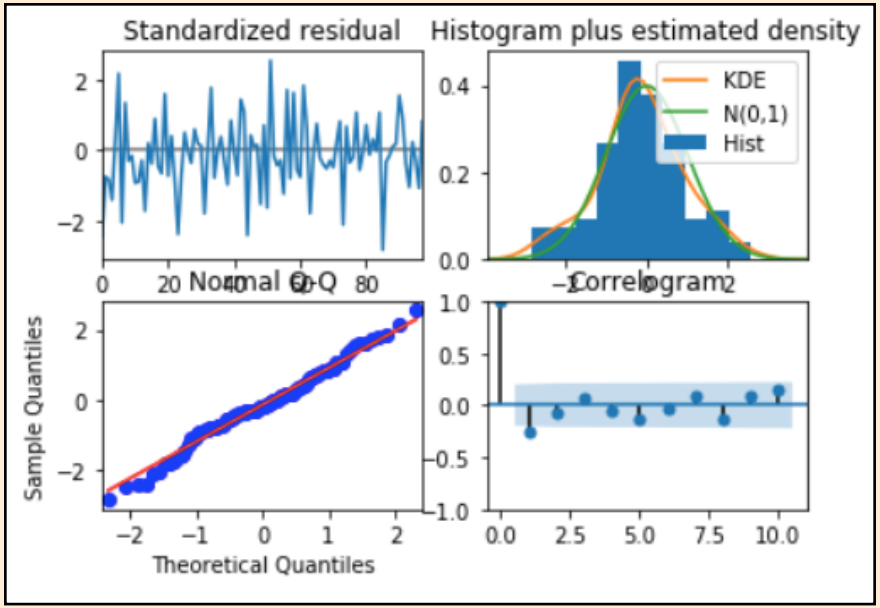
q = 1

Prédiction SARIMA



RMSE = 1375
MAPE = 0.05

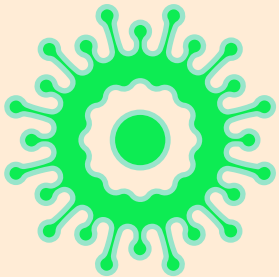
Validation SARIMA



06

Conclusion

SARIMA > Holt-Winters



Merci!

Des questions ?