



PERSODATA

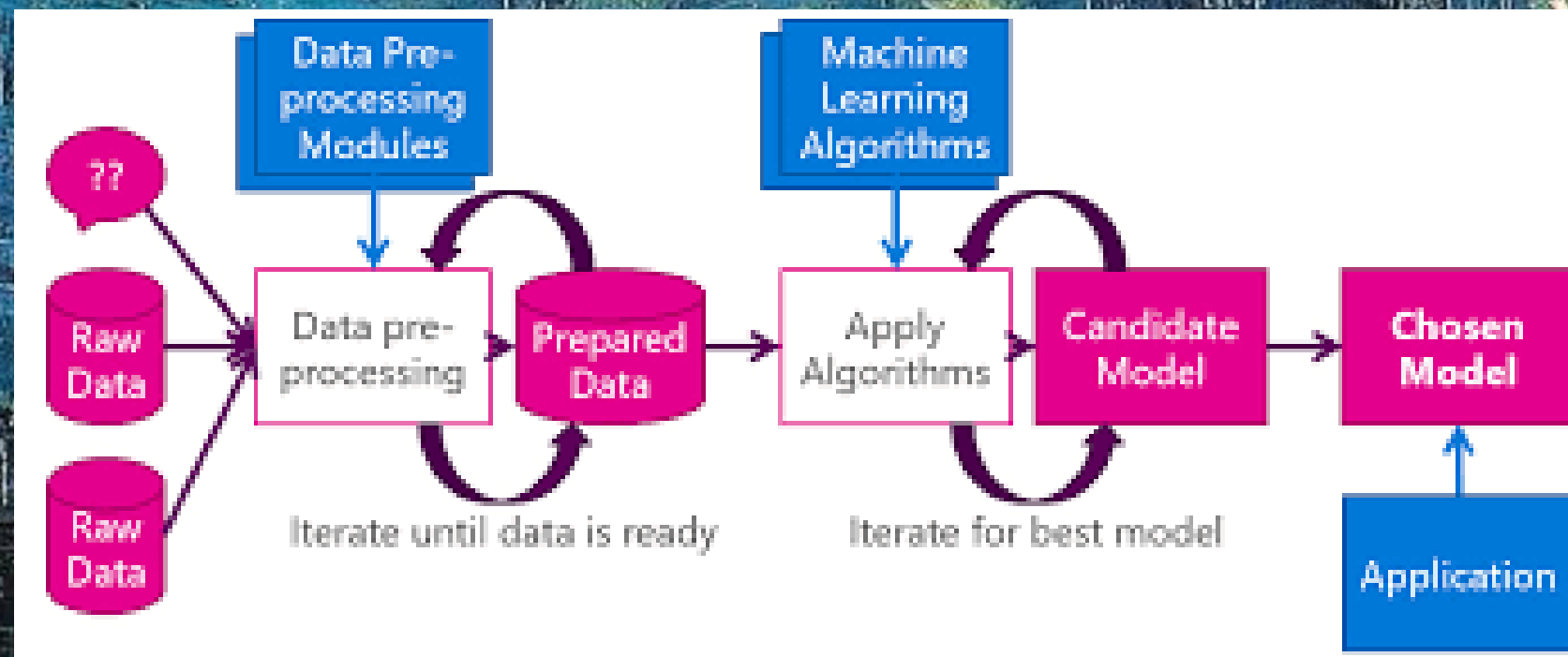
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Groupe Preprocessing:
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Groupe Prédiction:
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nombre d'exemples	Nombre de features	« sparsity »	Variables catégorielles	Données manquantes	Dataset	Nombre d'exemples par classes(2 classes fake et real)
65856	200	0	0	0	Trainnig	Real :&32886 Fake :32970
18817	200	0	0	0	Test	Real :9485 Fake :9332
9408	200	0	0	0	Validation	Real :4670 Fake :4738



I- Preprocessing



```
class Preprocessing(BaseEstimator):

    def __init__(self):
        lil_clf = SVC(kernel='linear') # classifieur lineaire
        self.transformer = PCA(n_components=100) # on veut que le resultat soit compose de 100 features
        self.pipe = Pipeline(BaseEstimator)
        self.pipe
        Pipeline(memory=None, steps=[('reduction_dim', fit(self, data.data['Xtrain'], data.data['Ytrain'])), ('lil_clf', lil_clf)])

    def fit(self, Xtrain, Ytrain):
        # premiere methode de preprocessing
        X_scaled = preprocessing.scale(X_train)
        Y_scaled = preprocessing.scale(Y_train)
        Xtrain_transf=self.transformer.fit_transform(Xtrain)
        Ytrain_transf=self.transformer.fit_transform(Ytrain)
        return Xtrain_transf,Ytrain_transf

    def fit_transform(self, X, Y):
        return self.transformer.fit_transform(X,Y)

    def transform(self, X, Y):
        return self.transformer.transform(X,Y)
```


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```

Standardiser

Réduire

II- Classification

Vrai

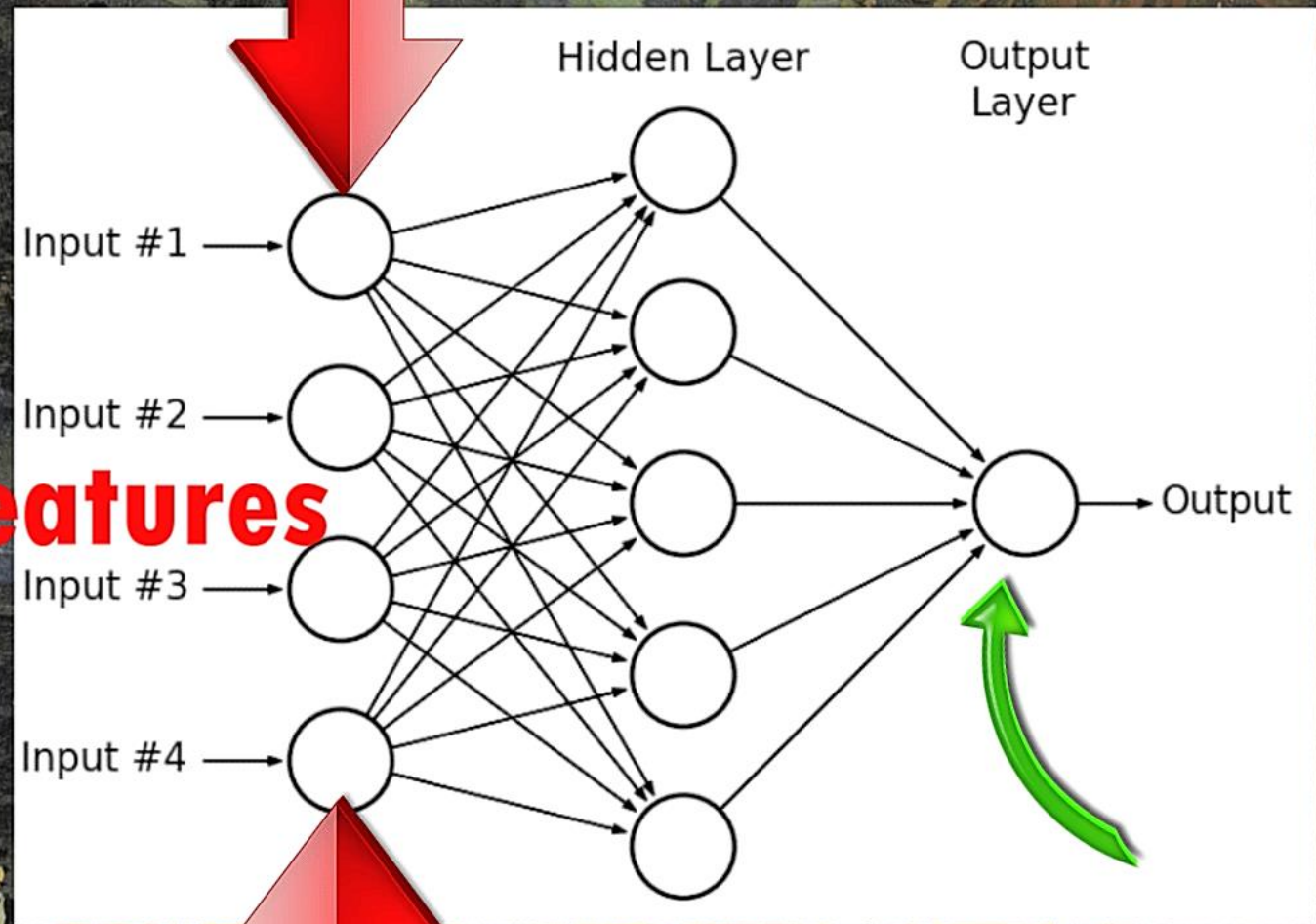


Faux

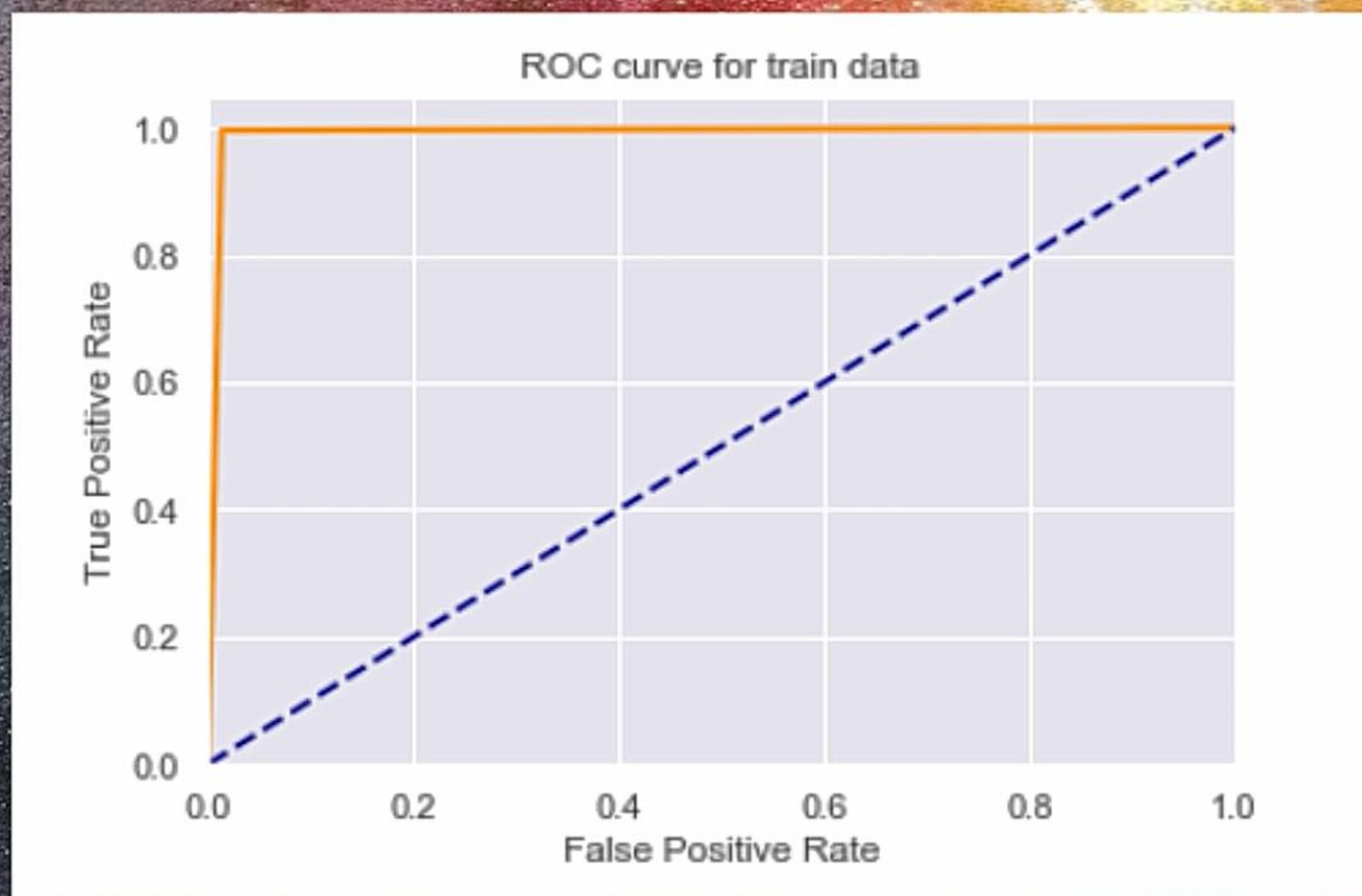
II- Classification



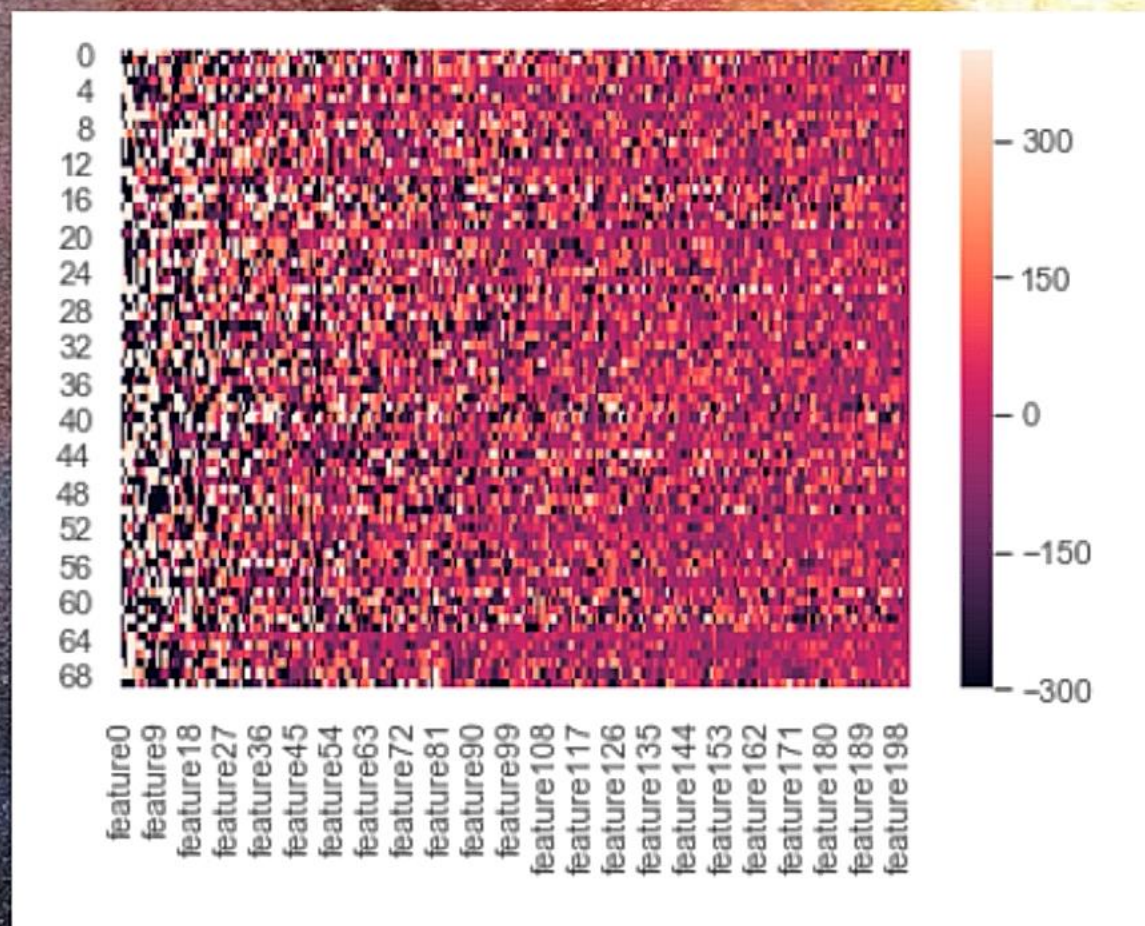
Features



Classification







Seaborn

Matplotlib

Résultats :

RESULTS						
#	User	Entries	Date of Last Entry	Prediction score ▲	Duration ▲	Detailed Results
1	reference2	1	01/24/19	0.9467 (1)	0.00 (1)	View
2	Yanis47S	5	03/01/19	0.8702 (2)	0.00 (1)	View
3	mokakill	10	03/03/19	0.8674 (3)	0.00 (1)	View
4	Kahlo	3	03/03/19	0.8593 (4)	0.00 (1)	View
5	picasso	11	03/20/19	0.8581 (5)	0.00 (1)	View
6	vinci	16	03/20/19	0.8137 (6)	0.00 (1)	View

0.8137

Quelques conseils :

- Bien s'organiser
- Travailler en groupe
- Etre autonome

