EDA

March 4, 2022

STAT 6500

Statistical Machine Learning

Land Use Cover - EDA

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Contents

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[6]:
```
import numpy as np # linear algebra
import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)
import seaborn as sns
sns.set_style('whitegrid')
import matplotlib.pyplot as plt
from sklearn.metrics import accuracy_score

import warnings
warnings.filterwarnings('ignore')

import time
from sklearn.model_selection import KFold,StratifiedKFold
from sklearn.metrics import roc_auc_score, roc_curve

from sklearn.decomposition import PCA
from sklearn.preprocessing import StandardScaler,MinMaxScaler

import os
print(os.listdir("./input"))


from sklearn.metrics import make_scorer
from sklearn.model_selection import GridSearchCV,RandomizedSearchCV
from sklearn.ensemble import RandomForestClassifier

from sklearn.neighbors import KNeighborsClassifier
from sklearn.tree import DecisionTreeClassifier
from sklearn.ensemble import RandomForestClassifier, AdaBoostClassifier
from sklearn.naive_bayes import GaussianNB
from sklearn.linear_model import LogisticRegression
from xgboost import XGBClassifier
```

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from sklearn.model_selection import KFold,StratifiedKFold
from sklearn.model_selection import cross_val_score
from sklearn.model_selection import ShuffleSplit
from sklearn.model_selection import LeaveOneOut as loocv
```

```
['testing.csv', 'training.csv']
```

Atitarn Introduction to statistical machine learning 6500

[1]:
```
from plotly import tools
from plotly.offline import download_plotlyjs, init_notebook_mode, plot, iplot
import plotly.offline as py
from plotly.graph_objs import Scatter, Layout
py.init_notebook_mode(connected=True)
import plotly.graph_objs as go
import plotly.figure_factory as ff
```

1 Introduction

1.1 Data Description

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2 Exploratory Data Analysis

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print("hola")
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hola
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[2]:
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print("hola2")
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hola2
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[3]:
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print("hola3")
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hola3
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[1]:
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print("hola4 - Atitarn")
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hola4 - Atitarn
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#Kendall

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