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In [1]: ## How to check model's Average precision score using cross validation in Python
def Snippet_137():
    print()
    print(format('How to check model\'s Average precision score using cross validation in Python', '^82'))
    import warnings
    warnings.filterwarnings("ignore")
    # load libraries
    from sklearn.model_selection import cross_val_score
    from sklearn.tree import DecisionTreeClassifier
    from sklearn.datasets import make_classification
    # Generate features matrix and target vector
    X, y = make_classification(n_samples = 10000,
                             n_features = 3,
                             n_informative = 3,
                             n_redundant = 0,
                             n_classes = 2,
                             random_state = 42)

    # Create Decision Tree model
    dtree = DecisionTreeClassifier()
    # Cross-validate model using accuracy
    print(); print(cross_val_score(dtree, X, y, scoring="average_precision", cv = 7))
    mean_score = cross_val_score(dtree, X, y, scoring="average_precision", cv = 7).mean()
    std_score = cross_val_score(dtree, X, y, scoring="average_precision", cv = 7).std()
    print(); print(mean_score)
    print(); print(std_score)
Snippet_137()
```

****How to check model's Average precision score using cross validation in Python****

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[0.89361423 0.87930657 0.91020698 0.89570178 0.90457173 0.89691322
0.88895964]
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0.8953177677606737
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0.009199981034177893
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In []: