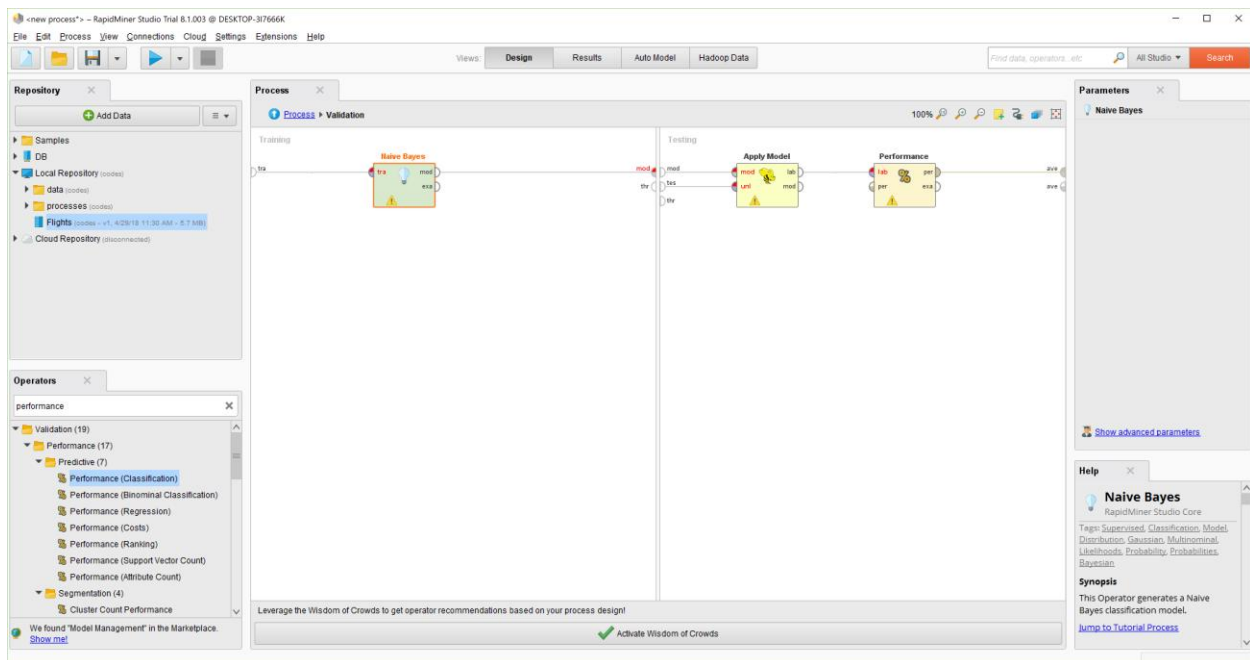
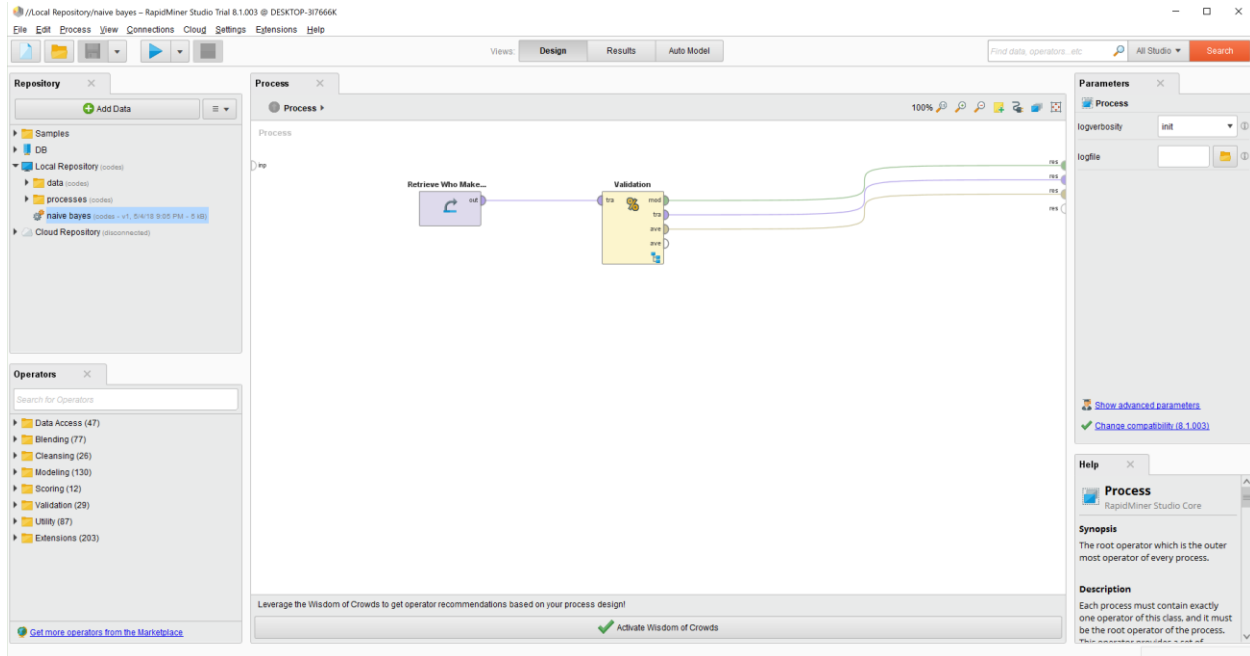


Project 2 Analysis:

Naïve Bayes Analysis:

Screenshots



Validation:

PerformanceVector (Performance)

Table View

accuracy: 83.23%

	true <=50K	true >50K	class precision
pred. <=50K	6924	1146	85.80%
pred. >50K	492	1206	71.02%
class recall	93.37%	51.28%	

PerformanceVector

PerformanceVector:
accuracy: 83.23%
ConfusionMatrix:
True1 <=50K >50K
<=50K: 6924 1146
>50K: 492 1206

Decision Tree Analysis:

Design:

new process - RapidMiner Studio Trial 8.1.003 @ DESKTOP-317666K

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Auto Model

Find data, operators, etc. All Studio Search

Result History ExampleSet (/Local Repository/data/Who Makes 50K) Tree (Decision Tree)

Tree

```
capital gain > 7073.500
|
| AGE > 18.500
| |
| | AGE > 20.500: >50K ( <=50K=16, >50K=1378)
| | AGE <= 20.500: <=50K ( <=50K=2, >50K=1)
| | AGE <= 18.500: <=50K ( <=50K=2, >50K=0)
|
| capital gain <= 7073.500
| |
| | capital loss > 1881.500
| | |
| | | capital loss > 1978.500
| | | |
| | | | capital loss > 2168.500
| | | | |
| | | | | education Number > 4.500
| | | | | |
| | | | | capital loss > 3726.500: <=50K ( <=50K=6, >50K=0)
| | | | | capital loss <= 3726.500
| | | | | |
| | | | | capital loss > 2384.500
| | | | | |
| | | | | | education Number > 11.500: >50K ( <=50K=0, >50K=74)
| | | | | | education Number <= 11.500
| | | | | | |
| | | | | | | AGE > 60.500: <=50K ( <=50K=9, >50K=0)
| | | | | | | AGE <= 60.500
| | | | | | | |
| | | | | | | | capital loss > 2581
| | | | | | | | |
| | | | | | | | | capital loss > 2789: >50K ( <=50K=0, >50K=2)
| | | | | | | | | capital loss <= 2789: <=50K ( <=50K=3, >50K=0)
| | | | | | | | | capital loss <= 2581: >50K ( <=50K=0, >50K=24)
| | | | | | |
| | | | | | | capital loss <= 2384.500
| | | | | | | capital loss > 2176.500
| | | | | | | |
| | | | | | | | AGE > 67.500
| | | | | | | | |
| | | | | | | | | capital loss > 2226: >50K ( <=50K=0, >50K=13)
| | | | | | | | | capital loss <= 2226: <=50K ( <=50K=2, >50K=0)
| | | | | | | | | AGE <= 67.500
| | | | | | | | | |
| | | | | | | | | | education Number > 15.500: >50K ( <=50K=0, >50K=2)
| | | | | | | | | | education Number <= 15.500
| | | | | | | | | | |
| | | | | | | | | | | Hours per week > 37
| | | | | | | | | | | |
| | | | | | | | | | | | Hours per week > 39: <=50K ( <=50K=12, >50K=18)
| | | | | | | | | | | | Hours per week <= 39: >50K ( <=50K=0, >50K=2)
| | | | | | | | | | | | Hours per week <= 37: <=50K ( <=50K=13, >50K=0)
| | | | | | | | | | | capital loss <= 2176.500: >50K ( <=50K=0, >50K=7)
| | | | | | | | | | | |
| | | | | | | | | | | | education Number <= 4.500: <=50K ( <=50K=11, >50K=0)
| | | | | | | | | | | capital loss <= 2168.500: <=50K ( <=50K=111, >50K=0)
| | | | | | | |
| | | | | | | capital loss <= 1978.500
| | | | | | | |
| | | | | | | | AGE > 22.500: >50K ( <=50K=30, >50K=516)
| | | | | | | | AGE <= 22.500: <=50K ( <=50K=2, >50K=0)
| | | | | | capital loss <= 1881.500: <=50K ( <=50K=2462, >50K=5804)
```

Repository

DB

Local Repository (codes)

data (codes)

Flights (codes - v1, 4/29/18 1:42 PM - 5.7 MB)

Who Makes 50K (codes - v1, 4/30/18 8:57 PM - 1.2 MB)

processes (codes)

naive bayes (codes - v1, 5/4/18 9:05 PM - 5 KB)

Cloud Repository (disconnected)