0.1   ranking tree

Ranking tree is shown in Fig 1
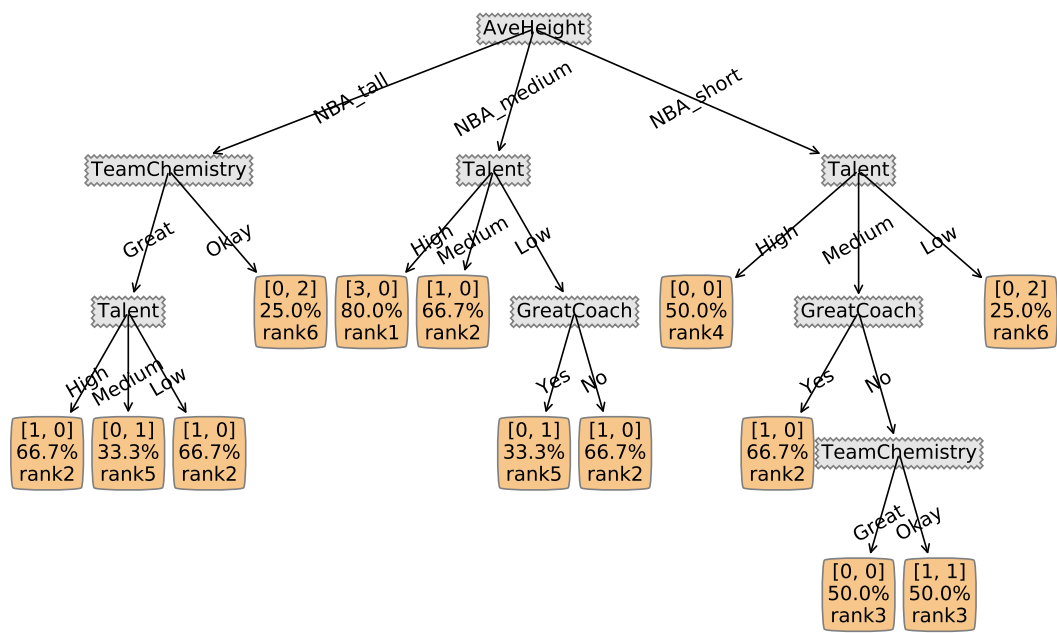

Figure 1: Ranking Tree

0.2   ranks

Below I show numbers of examples in each rank, errors and error rate.

```
train.xlsx
error each level [0.0, 0.0, 0.5, 0.0, 0.0] total 0.5
        Yes   No
1.0      3    0
2.0      5    0
3.0      1    1
5.0      0    2
6.0      0    4
Total    9    7
error rate 0.00793650793651
accuracy 0.992063492063

HW3 - Test data set 1.xlsx
```

```
error  each  level  [0.0,  24.0,  7.0,  0.0,  3.5,  4.0]  total  38.5
          Yes   No
1.0        2     0
2.0        2     3
3.0        0     1
4.0        2     0
5.0        3     1
6.0        2     4
Total     11     9
error  rate  0.388888888889
accuracy  0.611111111111

HW3 −  Test  data  set  2.xlsx
error  each  level  [0.0,  16.0,  0.0,  3.5,  2.0,  1.0]  total  22.5
          Yes   No
1.0        3     0
2.0        6     2
3.0        1     0
4.0        1     1
5.0        2     1
6.0        1     2
Total     14     6
error  rate  0.267857142857
accuracy  0.732142857143
```