

J48 pruned tree

EX = Average

```
|  ATT = Good
|  |  ASS = Good
|  |  |  CP = Good: First (15.0/4.0)
|  |  |  CP = Poor
|  |  |  |  QZ = Average: Second (3.0)
|  |  |  |  QZ = Poor: First (3.0/1.0)
|  |  |  |  QZ = Good: Second (0.0)
|  |  |  CP = Average: Second (11.0/4.0)
|  |  ASS = Average: Second (6.0/1.0)
|  |  ASS = Poor: Second (3.0/1.0)
|  ATT = Poor
|  |  ASS = Good: Third (2.0/1.0)
|  |  ASS = Average: First (1.0)
|  |  ASS = Poor: Second (5.0/3.0)
|  ATT = Average: Second (11.0/4.0)
```

EX = Good: First (19.0/6.0)

EX = Poor: Fail (20.0/11.0)

Number of Leaves : 13

Size of the tree : 19

J48 pruned tree

EX = Average

```
|  ATT = Good
|  |  ASS = Good: First (29.0/11.0)
|  |  ASS = Average: Second (6.0/1.0)
|  |  ASS = Poor: Third (3.0/2.0)
|  ATT = Poor: First (9.0/5.0)
|  ATT = Average: Second (12.0/4.0)
```

EX = Good: First (20.0/5.0)

EX = Poor: Fail (21.0/11.0)

Number of Leaves : 7

Size of the tree : 10

J48 pruned tree

EX = Average

```

|   ATT = Good
|   |   ASS = Good
|   |   |   CP = Good: First (16.0/4.0)
|   |   |   CP = Poor
|   |   |   |   QZ = Average: Second (3.0)
|   |   |   |   QZ = Poor: First (3.0/1.0)
|   |   |   |   QZ = Good: Second (0.0)
|   |   |   CP = Average: Second (11.0/4.0)
|   |   ASS = Average: Second (5.0/1.0)
|   |   ASS = Poor: Second (4.0/2.0)
|   ATT = Poor
|   |   QZ = Average: First (3.0)
|   |   QZ = Poor: Third (6.0/4.0)
|   |   QZ = Good: First (0.0)
|   ATT = Average: Second (8.0/2.0)

```

EX = Good

```

|   QZ = Average: First (15.0/1.0)
|   QZ = Poor: Second (4.0/2.0)
|   QZ = Good: Second (1.0)

```

EX = Poor: Fail (21.0/11.0)

Number of Leaves : 15

Size of the tree : 22

J48 pruned tree

EX = Average

```

|   ATT = Good
|   |   ASS = Good
|   |   |   CP = Good: First (16.0/5.0)
|   |   |   CP = Poor: Second (5.0/2.0)
|   |   |   CP = Average: Second (10.0/4.0)
|   |   ASS = Average: Second (6.0/1.0)
|   |   ASS = Poor: Second (4.0/2.0)
|   ATT = Poor
|   |   ASS = Good: First (3.0/2.0)
|   |   ASS = Average: First (2.0)
|   |   ASS = Poor: Second (4.0/2.0)
|   ATT = Average: Second (12.0/4.0)

```

EX = Good: First (20.0/5.0)

EX = Poor

```

|   QZ = Average: Second (3.0/1.0)
|   QZ = Poor
|   |   ATT = Good: Third (4.0/2.0)
|   |   ATT = Poor: Third (9.0/4.0)
|   |   ATT = Average: Fail (2.0)
|   QZ = Good: Third (0.0)

```

Number of Leaves : 15

Size of the tree : 22

J48 pruned tree

EX = Average

```
| CP = Good
| | ATT = Good
| | | ASS = Good: First (15.0/4.0)
| | | ASS = Average: Second (3.0)
| | | ASS = Poor: Second (1.0)
| | | ATT = Poor: First (2.0)
| | | ATT = Average: Second (1.0)
| | CP = Poor: Second (22.0/12.0)
| | CP = Average: Second (15.0/5.0)
EX = Good: First (21.0/6.0)
EX = Poor: Fail (20.0/10.0)
```

Number of Leaves : 9

Size of the tree : 13

J48 pruned tree

EX = Average

```
| ASS = Good
| | ATT = Good
| | | CP = Good: First (17.0/5.0)
| | | CP = Poor: Second (6.0/3.0)
| | | CP = Average: Second (11.0/4.0)
| | | ATT = Poor: First (3.0/2.0)
| | | ATT = Average: Second (6.0/1.0)
| | ASS = Average: Second (8.0/3.0)
| | ASS = Poor: Second (11.0/6.0)
EX = Good: First (19.0/5.0)
EX = Poor: Fail (19.0/10.0)
```

Number of Leaves : 9

Size of the tree : 13

J48 pruned tree

EX = Average

```
| CP = Good
| | ASS = Good: First (18.0/5.0)
| | ASS = Average: Second (4.0/1.0)
| | ASS = Poor: First (2.0/1.0)
| | CP = Poor: Second (22.0/12.0)
| | CP = Average: Second (17.0/5.0)
EX = Good: First (19.0/6.0)
EX = Poor: Fail (18.0/11.0)
```

Number of Leaves : 7

Size of the tree : 10

J48 pruned tree

EX = Average

```
| CP = Good
| | ATT = Good
| | | ASS = Good: First (15.0/4.0)
| | | ASS = Average: Second (3.0)
| | | ASS = Poor: Second (1.0)
| | | ATT = Poor: First (2.0)
| | | ATT = Average: Second (1.0)
| | CP = Poor: Second (20.0/10.0)
| | CP = Average: Second (17.0/6.0)
EX = Good: First (21.0/6.0)
EX = Poor: Fail (20.0/10.0)
```

Number of Leaves : 9

Size of the tree : 13

J48 pruned tree

EX = Average

```
| CP = Good
| | ATT = Good
| | | ASS = Good: First (17.0/5.0)
| | | ASS = Average: Second (2.0)
| | | ASS = Poor: Second (1.0)
| | | ATT = Poor: First (2.0)
| | | ATT = Average: Second (1.0)
| | CP = Poor
| | | ATT = Good
| | | | QZ = Average: Second (3.0/1.0)
| | | | QZ = Poor: First (5.0/2.0)
| | | | QZ = Good: First (0.0)
| | | | ATT = Poor: Third (5.0/3.0)
| | | | ATT = Average: Second (5.0/2.0)
| | | CP = Average: Second (18.0/7.0)
EX = Good
| | QZ = Average: First (16.0/2.0)
| | QZ = Poor: Second (3.0/1.0)
| | QZ = Good: First (2.0/1.0)
EX = Poor: Fail (20.0/11.0)
```

Number of Leaves : 15

Size of the tree : 22

J48 pruned tree

```
EX = Average
|   ATT = Good
|   |   ASS = Good
|   |   |   CP = Good: First (16.0/5.0)
|   |   |   CP = Poor: Second (6.0/3.0)
|   |   |   CP = Average: Second (10.0/4.0)
|   |   |   ASS = Average: Second (4.0/1.0)
|   |   |   ASS = Poor: Second (4.0/2.0)
|   |   |   ATT = Poor: First (10.0/6.0)
|   |   |   ATT = Average: Second (11.0/4.0)
|   |   EX = Good: First (18.0/4.0)
|   |   EX = Poor: Fail (21.0/12.0)
```

Number of Leaves : 9

Size of the tree : 13

Total Calculated Accuracy for J48: 49.549549549549546