Decision Trees

ID	Gender	Class	Play
1	F	IX	yes
2	F	IX	yes
3	F	IX	no
4	F	IX	no
5	F	IX	no
6	F	IX	no
7	F	X	no
8	F	X	no
9	F	X	no
10	F	X	no
11	M	IX	yes
12	M	IX	yes
13	M	IX	yes
14	M	IX	yes
15	M	X	yes
16	M	X	yes
17	M	X	yes
18	M	X	yes
19	M	X	yes
20	M	X	yes
21	M	X	yes
22	M	X	yes
23	M	X	yes
24	M	IX	no
25	M	IX	no
26	M	IX	no
27	M	IX	no
28	M	X	no
29	M	X	no
30	M	X	no

Gender

ID	Gender	Class	Play
1	F	IX	yes
2	F	IX	yes
3	F	IX	no
4	F	IX	no
5	F	IX	no
6	F	IX	no
7	F	X	no
8	F	X	no
9	F	X	no
10	F	X	no

ID	Gender	Class	Play
11	M	IX	yes
12	M	IX	yes
13	M	IX	yes
14	M	IX	yes
15	M	X	yes
16	M	X	yes
17	M	X	yes
18	M	X	yes
19	M	X	yes
20	M	X	yes
21	M	X	yes
22	M	X	yes
23	M	X	yes
24	M	IX	no
25	M	IX	no
26	M	IX	no
27	M	IX	no
28	M	X	no
29	M	X	no
30	M	X	no

Gender

ID	Gender	Class	Play
1	F	IX	yes
2	F	IX	yes
3	F	IX	no
4	F	IX	no
5	F	IX	no
6	F	IX	no
7	F	X	no
8	F	X	no
9	F	X	no
10	F	X	no

ID	Gender	Class	Play
11	M	IX	yes
12	M	IX	yes
13	M	IX	yes
14	M	IX	yes
15	M	X	yes
16	M	X	yes
17	M	X	yes
18	M	X	yes
19	M	X	yes
20	M	X	yes
21	M	X	yes
22	M	X	yes
23	M	X	yes
24	M	IX	no
25	M	IX	no
26	M	IX	no
27	M	IX	no
28	M	X	no
29	M	X	no
30	M	X	no

Class

ID	Gender	Class	Play
1	F	IX	yes
2	F	IX	yes
3	F	IX	no
4	F	IX	no
5	F	IX	no
6	F	IX	no
11	M	IX	yes
12	M	IX	yes
13	M	IX	yes
14	M	IX	yes
24	M	IX	no
25	M	IX	no
26	M	IX	no
27	M	IX	no

ID	Gender	Class	Play
7	F	X	no
8	F	X	no
9	F	X	no
10	F	X	no
15	M	X	yes
16	M	X	yes
17	M	X	yes
18	M	X	yes
19	M	X	yes
20	M	X	yes
21	M	X	yes
22	M	X	yes
23	M	X	yes
28	M	X	no
29	M	X	no
30	M	X	no

Gini for Gender

ID	Gender	Class	Play
1	F	IX	yes
2	F	IX	yes
3	F	IX	no
4	F	IX	no
5	F	IX	no
6	F	IX	no
7	F	X	no
8	F	X	no
9	F	X	no
10	F	X	no

ID	Gender	Class	Play
11	M	IX	yes
12	M	IX	yes
13	M	IX	yes
14	M	IX	yes
15	M	X	yes
16	M	X	yes
17	M	X	yes
18	M	X	yes
19	M	X	yes
20	M	X	yes
21	M	X	yes
22	M	X	yes
23	M	X	yes
24	M	IX	no
25	M	IX	no
26	M	IX	no
27	M	IX	no
28	M	X	no
29	M	X	no
30	M	X	no

Gender

ID	Gender	Class	Play
1	F	IX	yes
2	F	IX	yes
3	F	IX	no
4	F	IX	no
5	F	IX	no
6	F	IX	no
7	F	X	no
8	F	X	no
9	F	X	no
10	F	X	no

ID	Gender	Class	Play
11	M	IX	yes
12	M	IX	yes
13	M	IX	yes
14	M	IX	yes
15	M	X	yes
16	M	X	yes
17	M	X	yes
18	M	X	yes
19	M	X	yes
20	M	X	yes
21	M	X	yes
22	M	X	yes
23	M	X	yes
24	M	IX	no
25	M	IX	no
26	M	IX	no
27	M	IX	no
28	M	X	no
29	M	X	no
30	M	X	no

Gini = 0.59

Class

ID	Gender	Class	Play
1	F	IX	yes
2	F	IX	yes
3	F	IX	no
4	F	IX	no
5	F	IX	no
6	F	IX	no
11	M	IX	yes
12	M	IX	yes
13	M	IX	yes
14	M	IX	yes
24	M	IX	no
25	M	IX	no
26	M	IX	no
27	M	IX	no

ID	Gender	Class	Play
7	F	X	no
8	F	X	no
9	F	X	no
10	F	X	no
15	M	X	yes
16	M	X	yes
17	M	X	yes
18	M	X	yes
19	M	X	yes
20	M	X	yes
21	M	X	yes
22	M	X	yes
23	M	X	yes
28	M	X	no
29	M	X	no
30	M	X	no

Gini = x