6ºReuniao

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1   JSON DATA

Data exploration:

```json
{
    "Binary":{
        "(Attribute name)":{
            "missings": (number)
            "distribution":{
                0: (number)
                1: (number)
            }
        }
    }
    "Categorical":{
        "(Attribute name)":{
            "missings": (number)
            "distribution":{
                "(category)": (number),
                "(category)": (number),
                "(category)": (number)
            }
            "dataset":[
                {
                    "(Attribute name)": (value),
                    "(class_label_1)": (value),
                    "(class_label_2)": (value)
                },
                {
                    "(Attribute name)": (value),
                    "(class_label_1)": (value),
                    "(class_label_2)": (value)
```

```
29                    },
30                        ...
31                ]
32            }
33        }
34        "Numerical_Discrete":{
35            "confidence_interval":{
36                "start": (value),
37                "finish": (value)
38            }
39            "mean": (value),
40            "standard_deviation": (value),
41            "median": (value),
42            "missings": (value)
43            "dataset":[
44                    {
45                        "(Attribute name)": (value),
46                        "(class_label_1)": (value),
47                        "(class_label_2)": (value)
48                    },
49                    {
50                        "(Attribute name)": (value),
51                        "(class_label_1)": (value),
52                        "(class_label_2)": (value)
53                    },
54                        ...
55            ]
56        }
57        "Numerical_Continuous":{
58            "confidence_interval":{
59                "start": (value),
60                "finish": (value)
61            }
62            "mean": (value),
63            "standard_deviation": (value),
64            "median": (value),
65            "missings": (value)
66            "dataset":[
67                    {
68                        "(Attribute name)": (value),
69                        "(class_label_1)": (value),
70                        "(class_label_2)": (value)
71                    },
```

```
72          {
73                  "(Attribute name)": (value),
74                  "(class_label_1)": (value),
75                  "(class_label_2)": (value)
76          },
77          ...
78      ]
79    }
80  }
```

Feature rank:

```
1   {
2       "(class_label_1)":{
3           "Binary":{
4               "chi2_p-value":[
5                   {
6                       "column_name": (value),
7                       "column_value": (value)
8                   },
9                   {
10                      "column_name": (value),
11                      "column_value": (value)
12                  },
13                  ...
14              ],
15              "chi2_stats":[
16                  {
17                      "column_name": (value),
18                      "column_value": (value)
19                  },
20                  {
21                      "column_name": (value),
22                      "column_value": (value)
23                  },
24                  ...
25              ],
26              "mutual_info_classif":[
27                  {
28                      "column_name": (value),
29                      "column_value": (value)
30                  },
31                  {
```

```
32              "column_name": (value),
33              "column_value": (value)
34          },
35          ...
36        ],
37        "mutual_info_regression":[
38          {
39              "column_name": (value),
40              "column_value": (value)
41          },
42          {
43              "column_name": (value),
44              "column_value": (value)
45          },
46          ...
47        ]
48      }
49    "Categorical": (Same as Binary)
50    "Numerical_Discrete": (Same as Binary)
51    "Numerical_Continuous": (Same as Binary)
52  },
53  "(class_label_2)": (Same as class_label_2)
54 }
```
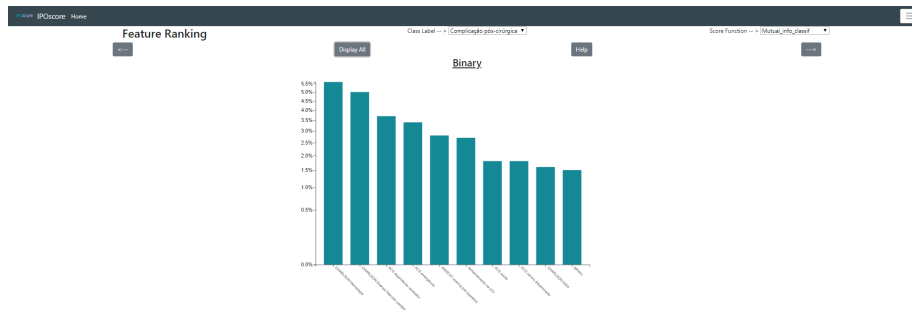

Figure 1: Feature Selection all
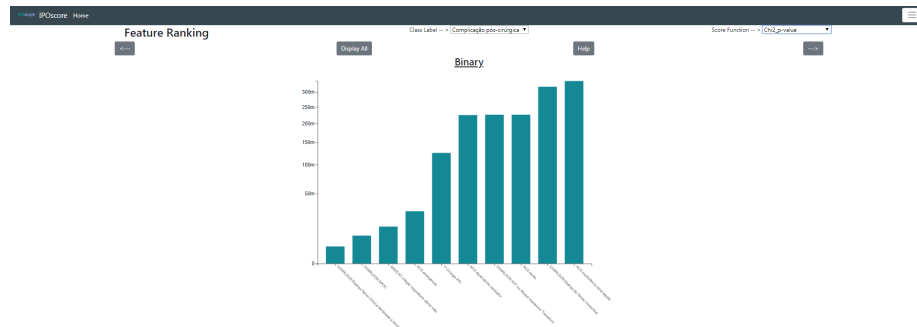
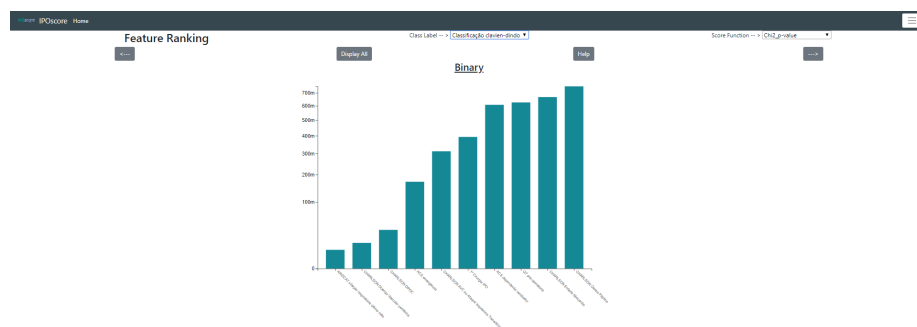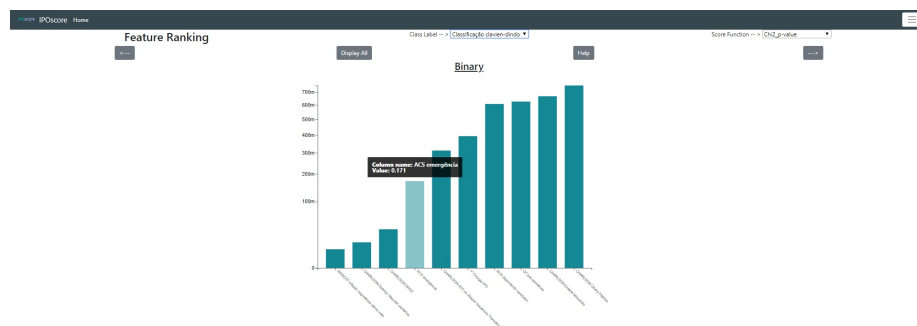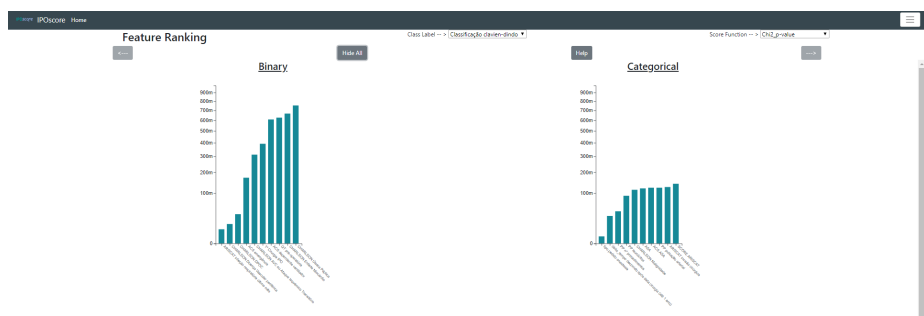Figure 2: Feature Selection all

Figure 3: Feature Selection all

Figure 4: Feature Selection all

Figure 5: Feature Selection all