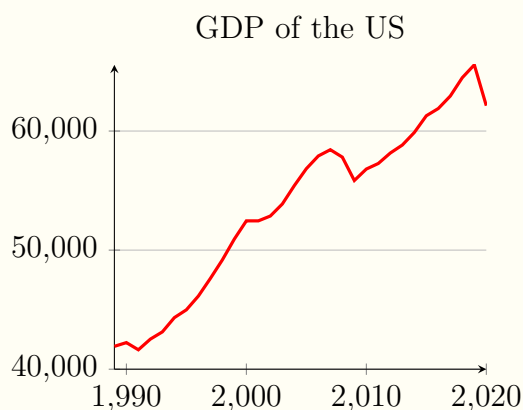


PGFPlots 不同类型的统计图

L^AT_EX Sparkle · LogCreative

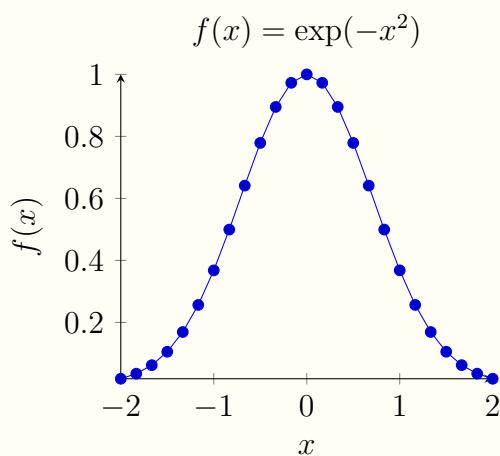
折线图

```
1 \begin{tikzpicture}
2   \begin{axis}[
3     axis y line={left},
4     axis x line={bottom},
5     title={GDP of the US},
6     ymin={40000},
7     ymajorgrids,
8     scaled y ticks=false,
9   ]
10  \addplot [red,very thick]
11    table[col sep=comma]
12    {./data/gdppc.csv};
13 \end{axis}
14 \end{tikzpicture}
```



折点图

```
1 \begin{tikzpicture}
2   \begin{axis}[
3     axis x line={bottom},
4     axis y line={left},
5     xlabel={x},
6     ylabel={f(x)},
7     title={f(x)=\exp(-x^2)},
8   ]
9   \addplot+
10     [mark=*,domain=-2:2]
11     {exp(-x^2)};
12 \end{axis}
13 \end{tikzpicture}
```

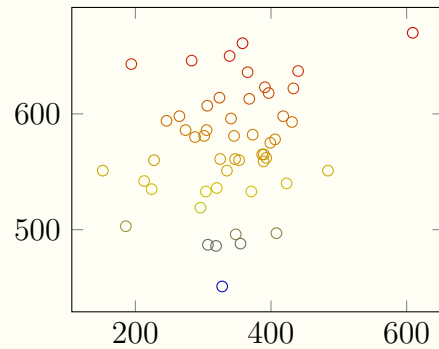


散点图

```

1 \begin{tikzpicture}
2   \begin{axis}[]
3     \addplot [
4       only marks,
5       mark=o,
6       scatter
7     ] table {./data/scatter.dat};
8   \end{axis}
9 \end{tikzpicture}

```

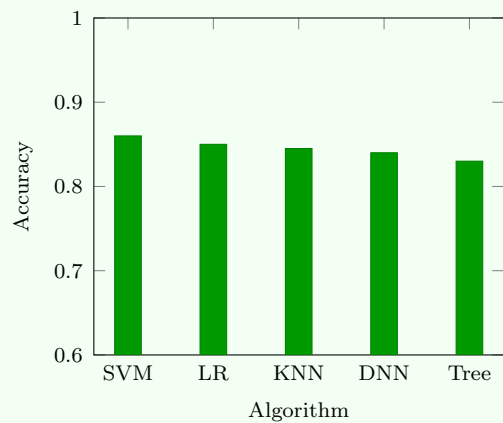


柱状图

```

1 \begin{tikzpicture}
2   \begin{axis}[
3     font={\scriptsize},
4     ymin={0.6},
5     ymax={1},
6     ylabel={Accuracy},
7     xlabel={Algorithm},
8     symbolic x
9     coords={SVM,LR,KNN,DNN,Tree},
10    width=7cm,
11  ]
12   \addplot [ybar,
13     green!50!black,
14     fill=green!60!black]
15     coordinates {(SVM,0.86)
16       (LR,0.85) (KNN,0.845)
17       (DNN,0.84) (Tree,0.83)};
18   \end{axis}
19 \end{tikzpicture}

```



堆积柱形图

```

1 \pgfplotstableread [
2   col sep=comma
3   {./data/quantity.csv}
4   {\quantity}
5 \begin{tikzpicture}
6   \begin{axis}[
7     font={\normalsize},
8     ybar stacked,
9     xlabel={Week},
10    ylabel={Homework Quantity},
11    legend style={
12      at={(0.5,-0.3)},
13      anchor=north,
14      legend columns=3
15    },
16  ]
17  \foreach \y in {1,...,6}
18    \addplot+ table[x
19      index=0,y index=\y]
20      {\quantity};
21  \legend{Chinese, Math,
22    English, Physics, Chemistry,
23    Biology};
24  \end{axis}
25 \end{tikzpicture}

```

