

DaGoo

--Data Analytics

Start a tour of data with DaGoo!

DaGoo is a versatile platform for big data, which can solve a series of problems related to big data and artificial intelligence. Aiming to let more people see the charm of data visualization and help users especially green hand or nonprofessional engineers in need to analyze and visualize the dataset, DaGoo is skilled at doing fast analysis for high-dimensional dataset without requirements of programming skills for users. Users just need to import their data, then get the result and even a detailed report with one click. The most interesting part is that users can exploit and upload their own methods to compare with existing ways and they can choose whether share with others or not.

Intro:

- DaGoo supports five types of data: normal, streaming, geographical, text and graph, users can import their datasets in these five certain types, while users can use example dataset to have a try as a beginning of the trip with DaGoo.
- Once users submit their datasets, actually they already get detailed analysis reports and users can download the report if they want. Mean values, variances, results of data analysis and lots of stuffs are included in each report.
- If the datasets users upload have problems like missing data, the systems will transfer to the interface of data clean automatically, and of course, if the datasets have no problems, users still can use the function of data clean to process data.
- For data analysis parts, DaGoo mainly has five methods:
 - **Attributions Analysis:** DaGoo calculates the correlation coefficient between all pairs of attributes and draw a graph. The nodes of the graph represent the attributes. The correlation between the pairs of attributes whose absolute value is greater than 0.4, and the line length represents the absolute value of the correlation coefficient.
 - **Cluster&Embedding:** DaGoo's defaults in cluster and embedding parts are K-Means and PCA respectively, users can choose other methods for cluster and embedding, also if users save the method they pick, the corresponding part in the report changes as well.

- Anomaly Detection: DaGoo can figure out outliers with the anomaly detection, and keep using the outliers or kick outliers out are totally depending on the users.
- Classification:
- Regression: DaGoo can determine the relationships between two or more variables with regression analysis, it also shows scatter plots with fitting lines and gives a predicted value.
- For data visualization part, there are three kinds of visual charts for users:
 - Radviz
 - Scatter Plots
 - Parallel Coordinates

Visual charts help users view and understand the dataset better, any data can be explored easily with DaGoo.

DaGoo, a loyal data tour partner

Having fun with DaGoo!

