**SAS (Software Analysis System)**

SAS as an analytical software developer company is independent, stand-alone data integration tools provider who offers variety of products for ETL developer, business analyst, data engineer and many other different types of users.

**Advantages:**

In terms of Data Privacy, SAS provide high level of security and in depth tested features due to its data encryption algorithms.

SAS offer good user graphical interface so customer can easily learn, provide efficient customer service as well.

Large amounts of data can be easily stored, execute, and redeploy smoothly using SAS software.

SAS encourages user to work comfortably with data, make data-informed decisions and create data-driven customer experiences, regardless of technical expertise.

**Limitations:**

SAS not providing open-source software and their softwires are little hard to install and time consuming.

SAS language is difficult than R.

**Components:**

SAS provides various components depending upon the usage such as to perform statistical operation offers SAS/STAT, for economic and time series analysis the component is SAS/ETS, for database the component called SAS/ACCESS and many more.

One the widely used component is Base SAS which is core component that perform analysis functions and different types of modules including graphics, spreadsheet or many other.

For broader data Integration strategy of SAS, ELT and ETL are important part. Therefore, to support ETL and ELT pipelines, SAS developed data management platform consisting of 20 various tools.

SAS Cloud benefits customers by providing quick user access without customers having to acquire hardware. In addition, SAS performs all hardware and software management and maintenance and guarantees that the most current version of SAS software is always running

SAS Cloud Services tools and technologies include SAS virtual applications which is design for easy and rapid deployment in cloud environment, SAS app Central for easy access of SAS product in Cloud.

IN 2020, report says that 90% companies from Fortune 500 companies are using software provided by SAS and with almost 28% shares, SAS is leading analytics software provider.

For hybrid data management, SAS provides data integration for on-premises and cloud native platforms to their customers.

SAS Institute also sells the [JMP](https://en.wikipedia.org/wiki/JMP_(statistical_software)) suite of statistical analysis software, which consists of JMP, JMP Pro, JMP Clinical and JMP Genomics.