Table: Data Analysis Tools and Their Uses

No.	Data Analysis Tool	Category	Main Use	Example Applications
1	Microsoft Excel	Spreadsheet Tool	Data cleaning, calculations, visualization	Financial analysis, reporting, business analytics
2	SQL (Structured Query Language)	Database Tool	Retrieving and managing data from databases	Database queries, data extraction
3	Tableau	Data Visualization Tool	Creating interactive dashboards and reports	Business intelligence, performance tracking
4	Power BI	Business Intelligence Tool	Data visualization and analytics dashboards	Business reporting, decision-making
5	Google Data Studio (Looker Studio)	Cloud Analytics Tool	Creating visual reports from multiple data sources	Marketing analytics, web traffic analysis
6	Python	Programming Language	Data science, machine learning, automation	Predictive analytics, AI development
7	R Programming	Statistical Analysis Tool	Statistical modeling and data visualization	Academic research, statistical computing
8	SPSS	Statistical Software	Statistical analysis for social science research	Survey analysis, regression analysis
9	SAS	Advanced Analytics Tool	Predictive analytics and business intelligence	Risk analysis, financial forecasting
10	Apache Hadoop	Big Data Framework	Storage and processing of large datasets	Big data management, distributed computing
11	Apache Spark	Big Data Processing Tool	Real-time data analytics and machine learning	Data streaming, predictive modeling
12	KNIME	Data Science Platform	Data mining and machine learning workflows	Predictive analytics, automation
13	RapidMiner	Machine Learning Platform	Data preparation and predictive modeling	Data science projects, AI analysis
14	QlikView	Business Intelligence Tool	Interactive data dashboards and visual reports	Business analytics, KPI monitoring

15	Google Analytics	Web Analytics Tool	Website traffic analysis and user behavior tracking	Digital marketing analytics