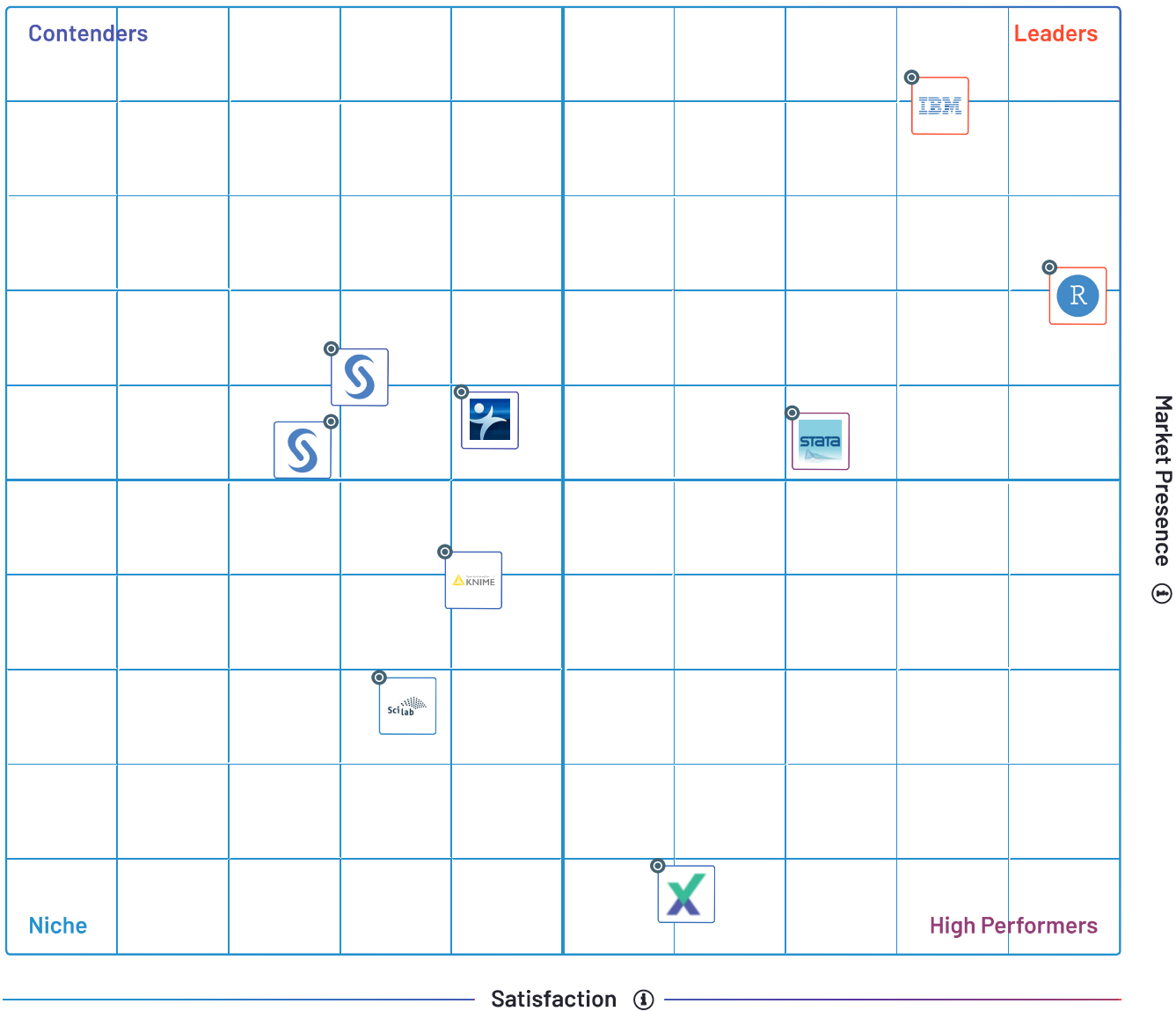# Grid® Report for Statistical
Summer 2019

Statistical Software

Grid® Scoring

(Statistical Software continues on next page)

Statistical (continued)

Statistical Software Definition

Statistical software products are specialized programs designed to allow users to perform complex statistical analysis. These products typically provide tools for the organization, interpretation, and presentation of selected data sets. Statistical solutions typically package these data management capabilities with features specific to statistical analysis. Statistical analysis capabilities refer to capabilities that support analysis methodologies such as regression analysis, predictive analytics, and statistical modelling, among many others.

Statistical software tools are typically used by data scientists and mathematicians, but can provide industry-specific features. These may be features tailored to scientific research, cost modelling, or health science; other tools can perform specific statistical analysis across industry or use case.

Some products overlap within both statistical software and predictive analytics software or business intelligence platforms. However, most tools in those categories will not provide the same level of niche statistical analysis capabilities as statistical software.

To qualify for inclusion in the Statistical category, a product must:

▶ Package statistical analysis capabilities, equations, and models

▶ Facilitate data importing, preparation and modelling

▶ Perform complex statistical analysis

Statistical Grid® Scoring Description

Products shown on the Grid® for Statistical have received a minimum of 10 reviews/ratings in data gathered by May 29, 2019. Products are ranked by customer satisfaction (based on user reviews) and market presence (based on market share, vendor size, and social impact) and placed into four categories on the Grid®:

▶ Products in the Leader quadrant are rated highly by G2 users and have substantial Market Presence scores. Leaders include: IBM SPSS Statistics, RStudio, and Stata

▶ High Performing products have high customer Satisfaction scores and low Market Presence compared to the rest of the category. High Performers include: NumXL

▶ Contender products have relatively low customer Satisfaction scores and high Market Presence compared to the rest of the category. While they may have positive reviews, they do not have enough reviews to validate those ratings. Contenders include: JMP, SAS Base, and SAS/STAT

▶ Niche products have relatively low Satisfaction scores and low Market Presence compared to the rest of the category. While they may have positive reviews, they do not have enough reviews to validate those ratings. Niche products include: KNIME Analytics Platform and Scilab

Grid® Scores for Statistical

The table below shows the Satisfaction and Market Presence scores that determine vendor placement on the Grid®. To learn more about each of the products, please see the product profile section.

Leaders

	# of Reviews	Satisfaction	Market Presence	G2 Score
SPSS Statistics	596	84	97	90
RStudio	444	97	75	86
Stata	92	72	58	65

High Performers

	# of Reviews	Satisfaction	Market Presence	G2 Score
NumXL	14	59	4	32

Contenders

	# of Reviews	Satisfaction	Market Presence	G2 Score
JMP	45	40	60	50
SAS Base	49	28	65	47
SAS/STAT	24	28	57	42

Niche

	# of Reviews	Satisfaction	Market Presence	G2 Score
KNIME Analytics Platform	20	39	41	40
Scilab	11	33	26	29

* Products are ordered by G2 Score. Satisfaction score is used as a tiebreaker if two products have the same G2 Score.

Grid® Methodology

Grid® Rating Methodology

The Grid® represents the democratic voice of real software users, rather than the subjective opinion of one analyst. G2 rates products from the Statistical category algorithmically based on data sourced from product reviews shared by G2 users and data aggregated from online sources and social networks.

Technology buyers can use the Grid® to help them quickly select the best products for their businesses and to find peers with similar experiences. For vendors, media, investors, and analysts, the Grid® provides benchmarks for product comparison and market trend analysis.

Grid® Scoring Methodology

G2 rates products and vendors based on reviews gathered from our user community, as well as data aggregated from online sources and social networks. We apply a unique algorithm (v3.0) to this data to calculate the Satisfaction and Market Presence scores in real time. The Grid® Report for Statistical | Summer 2019 is based on scores calculated using the G2 algorithm v3.0 from reviews collected through May 29, 2019. To view the Statistical Grid® with the most recent data, please visit the Statistical page.

Satisfaction

The Satisfaction rating is affected by the following (in order of importance):

▶ Customer satisfaction with end user-focused product attributes based on user reviews

▶ Popularity and statistical significance based on the number of reviews received by G2

▶ Quality of reviews received (reviews that are more thoroughly completed will be weighted more heavily)

▶ Age of reviews (more-recent reviews provide relevant and up-to-date information that is reflective of the current state of a product)

▶ Customers' satisfaction with administration-specific product attributes based on user reviews

▶ Overall customer satisfaction and Net Promoter Score® (NPS) based on ratings by G2 users

Note: The customer satisfaction score is normalized for each Grid®, meaning the scores are relative.

(Grid® Methodology continues on next page)

** Net Promoter, Net Promoter System, Net Promoter Score, NPS and the NPS-related emoticons are registered trademarks of Bain & Company, Inc., Fred Reichheld and Satmetrix Systems, Inc.

Grid® Methodology (continued)

Market Presence

The Market Presence score is affected by the following (in order of importance):

▶ Market presence is a combination of 15 metrics from G2's reviews, publicly available information, and third-party sources

▶ Both the software vendors and the individual products are measured on various criteria. The criteria are listed in order of importance. Products metric receive greater weight than vendor metrics

Criteria	Measured For		Metrics
	Product	Vendor	
Number of Employees	√	√	Employee Count (based on social networks and public sources)
Reviews	√		Review Count (weighted by recency)
Web Presence	√	√	
Social Presence	√	√	
Growth	√	√	Employee Growth, Web Presence Growth
Vendor Age		√	
Employee Satisfaction and Engagement		√	

▶ Each input is normalized by category and segment. This means that scores are relative to other products in the category/segment and may change from segment to segment

▶ The scores are then scaled from 0-100

Grid® Categorization Methodology

Making G2 research relevant and easy for people to use as they evaluate and select business software products is one of our most important goals. In support of that goal, organizing products and software companies in a well-defined structure that makes capturing, evaluating, and displaying reviews and other research in an orderly manner is a critical part of the research process.

To manage the process of categorizing the software products and the related reviews in the G2 community, G2 follows a publicly available categorization methodology. All products appearing on the Grid® have passed through G2's categorization methodology and meet G2's category standards.

Many terms that appear regularly across G2 and are used to aid in product categorization warrant a definition to facilitate buyer understanding. These terms may be included within reviews from the G2 community or in executive summaries for products included on the Grid®. A list of standard definitions is available to G2 users to eliminate confusion and ease the buying process.

Grid® Methodology (continued)

Rating Changes and Dynamics

The ratings in this report are based on a snapshot of the user reviews and social data collected by G2 up through May 29, 2019. The ratings may change as the products are further developed, the vendors grow, and as additional opinions are shared by users. G2 updates the ratings on its website in real time as additional data is received, and this report will be updated as significant data is received. By improving their products and support and/or by having more satisfied customer voices heard, Contenders may become Leaders and Niche vendors may become High Performers.

Trust

Keeping our ratings unbiased is our top priority. We require the use of a LinkedIn account or verified business email address to validate a G2 user's identity and employer. We also validate users by partnering with vendors and organizations to securely authenticate users through select platforms. We do not allow users to review their current or former employers' products, or those of their employers' competitors. Additionally, all reviews are manually checked by our team after our algorithm filters out reviews that don't meet our submission requirements. All reviews must pass our moderation process before they are published.

Our G2 staff does not add any subjective input to the ratings, which are determined algorithmically based on data aggregated from publicly available online sources and social networks. Vendors cannot influence their ratings by spending time or money with us. Only the opinion of real users and data from public sources factor into the ratings.

Grid® Inclusion Criteria

All products in a G2 category that have at least 10 reviews from real users of the product are included on the Grid®. Inviting other users, such as colleagues and peers, to join G2 and share authentic product reviews will accelerate this process.

If a product is not yet listed on G2 and it fits the market definition above, then users are encouraged to suggest its addition to our Statistical category.

Product Profiles

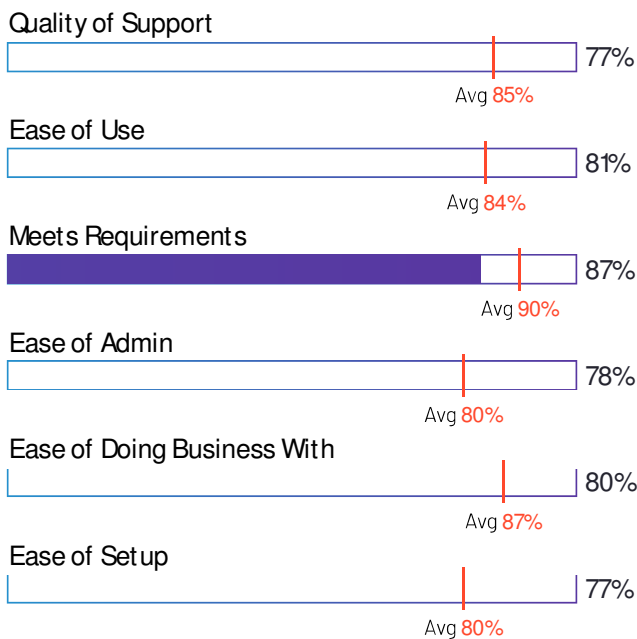Product profiles and detailed charts are included for products with 10 or more reviews.

IBM SPSS Statistics

4.2 ★★★★☆ (626)

Leader
SUMMER
2019

IBM SPSS Statistics has been named a Leader based on receiving a high customer Satisfaction score and having a large Market Presence. SPSS Statistics has the largest Market Presence among products in Statistical. 89% of users rated it 4 or 5 stars, 67% of users believe it is headed in the right direction, and users said they would be likely to recommend SPSS Statistics at a rate of 83%.
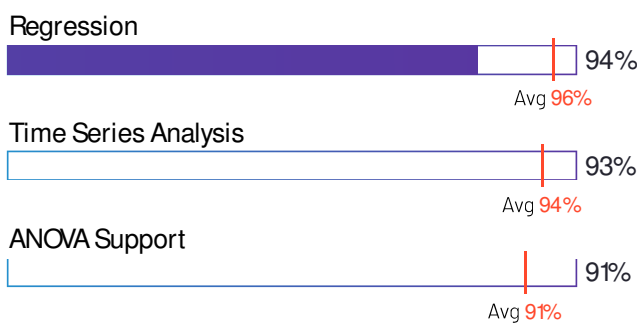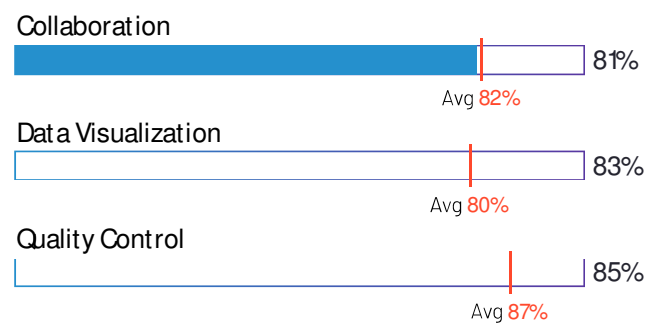
Satisfaction Ratings

Quality of Support
77%
Avg 85%

Ease of Use
81%
Avg 84%

Meets Requirements
87%
Avg 90%

Ease of Admin
78%
Avg 80%

Ease of Doing Business With
80%
Avg 87%

Ease of Setup
77%
Avg 80%

Top Industries Represented

● Higher Education	192
● Research	103
● Hospital & Health Care	43
● Education Management	40
● Market Research	28

Highest-Rated Features

Regression
94%
Avg 96%

Time Series Analysis
93%
Avg 94%

ANOVA Support
91%
Avg 91%

Lowest-Rated Features

Collaboration
81%
Avg 82%

Data Visualization
83%
Avg 80%

Quality Control
85%
Avg 87%

Ownership	HQ Location	Year Founded	Total Revenue	Employees (Listed On LinkedinTM)	Company Website
IBM	Armonk, NY	1911	$79,139 (USD MM)	579174	www.ibm.com

RStudio

4.5 ★★★★⯪ (450)

Leader
SUMMER
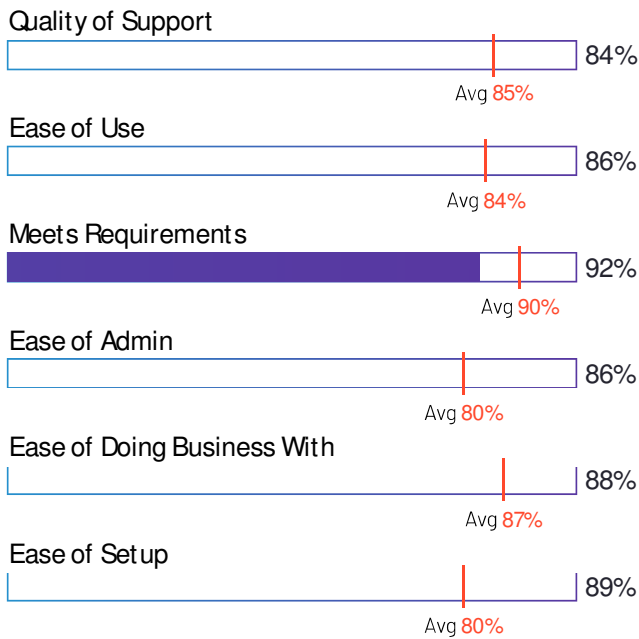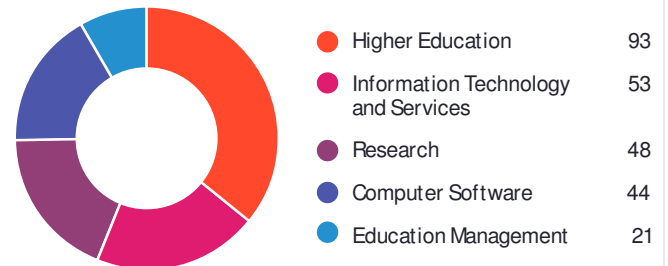2019

RStudio has been named a Leader based on receiving a high customer Satisfaction score and having a large Market Presence. RStudio received the highest Satisfaction score among products in Statistical. 94% of users rated it 4 or 5 stars, 86% of users believe it is headed in the right direction, and users said they would be likely to recommend RStudio at a rate of 90%.
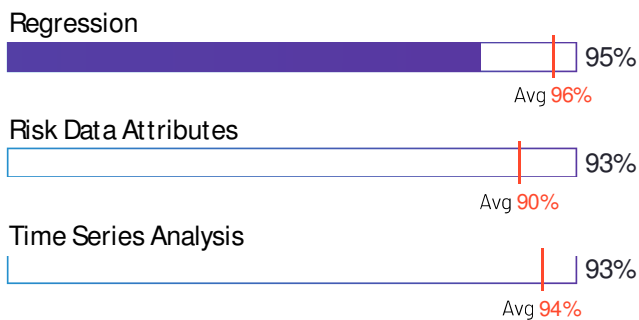
Satisfaction Ratings

Quality of Support
84%
Avg 85%

Ease of Use
86%
Avg 84%

Meets Requirements
92%
Avg 90%

Ease of Admin
86%
Avg 80%

Ease of Doing Business With
88%
Avg 87%

Ease of Setup
89%
Avg 80%

Top Industries Represented

Higher Education	93
Information Technology and Services	53
Research	48
Computer Software	44
Education Management	21

Highest-Rated Features

Regression
95%
Avg 96%

Risk Data Attributes
93%
Avg 90%

Time Series Analysis
93%
Avg 94%

Lowest-Rated Features

Collaboration
84%
Avg 82%

Survival Analysis
87%
Avg 87%

Cost Analysis
88%
Avg 87%

Ownership
RStudio

HQ Location
Boston, MA

Year Founded
2009

Employees (Listed On Linkedin™)
139

Company Website
www.rstudio.com

Stata

4.3 ★★★★⯨ **(93)**

Leader
SUMMER
2019

Stata has been named a Leader based on receiving a high customer Satisfaction score and having a large Market Presence. 90% of users rated it 4 or 5 stars, 76% of users believe it is headed in the right direction, and users said they would be likely to recommend Stata at a rate of 86%.
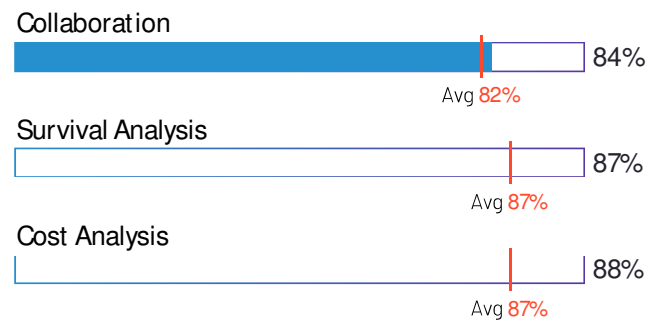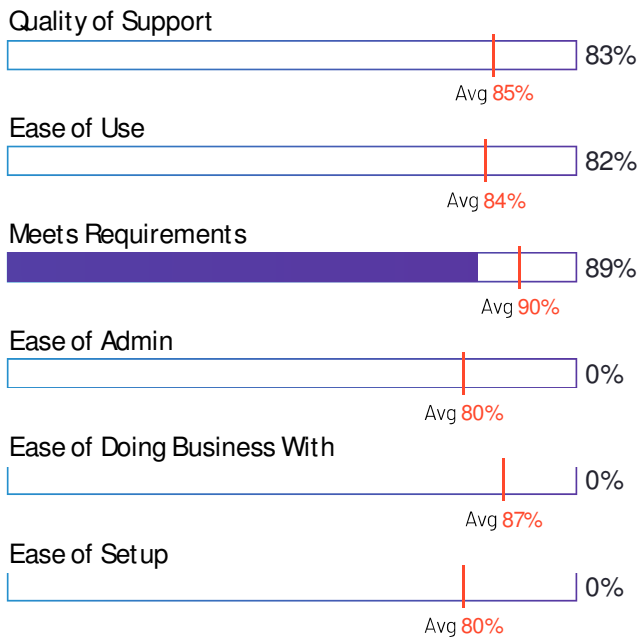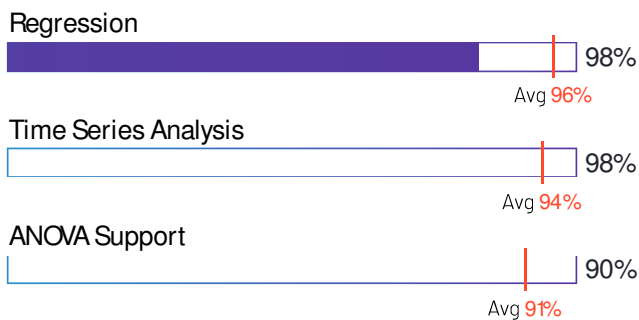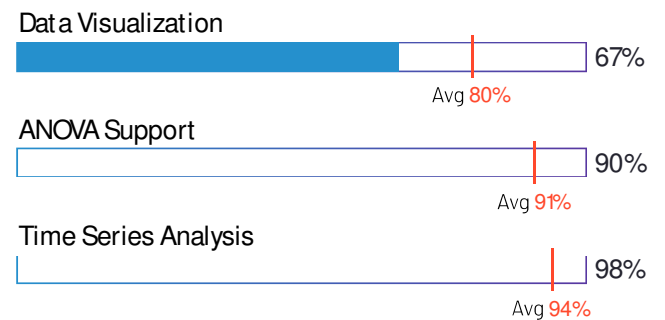
Satisfaction Ratings

Quality of Support
83%
Avg 85%

Ease of Use
82%
Avg 84%

Meets Requirements
89%
Avg 90%

Ease of Admin
0%
Avg 80%

Ease of Doing Business With
0%
Avg 87%

Ease of Setup
0%
Avg 80%

*N/A is displayed when fewer than five responses were received for the question.

Top Industries Represented

● Higher Education	35
● Research	17
● Hospital & Health Care	11
● Education Management	10
● Health, Wellness and Fitness	2

Highest-Rated Features

Regression
98%
Avg 96%

Time Series Analysis
98%
Avg 94%

ANOVA Support
90%
Avg 91%

Lowest-Rated Features

Data Visualization
67%
Avg 80%

ANOVA Support
90%
Avg 91%

Time Series Analysis
98%
Avg 94%

Ownership	**HQ Location**	**Year Founded**	**Employees (Listed On LinkedIn™)**	**Company Website**
StataCorp	College Station, TX	1985	95	www.stata.com

NumXL

4.8 ★★★★★ (17)

High Performer SUMMER 2019
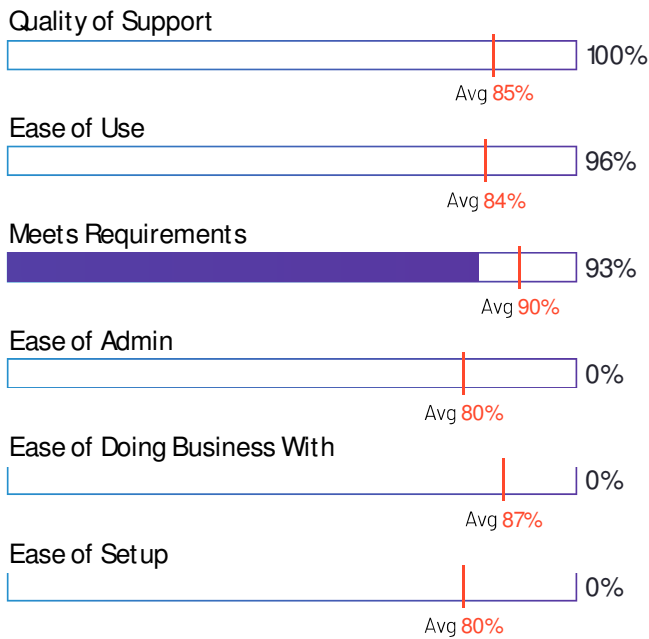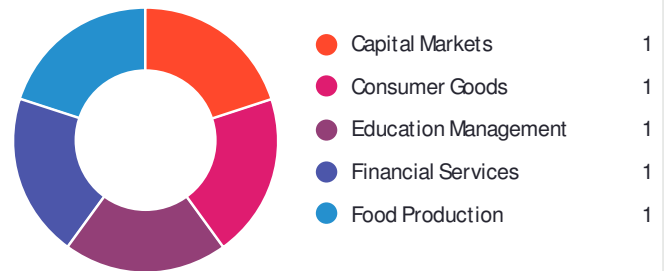
NumXL has been named a High Performer product based on having high customer Satisfaction scores and a low Market Presence compared to the rest of the category. 93% of users rated it 4 or 5 stars, 92% of users believe it is headed in the right direction, and users said they would be likely to recommend NumXL at a rate of 95%.

Satisfaction Ratings

Quality of Support
100%
Avg 85%

Ease of Use
96%
Avg 84%

Meets Requirements
93%
Avg 90%

Ease of Admin
0%
Avg 80%

Ease of Doing Business With
0%
Avg 87%

Ease of Setup
0%
Avg 80%

*N/A is displayed when fewer than five responses were received for the question.

Top Industries Represented

● Capital Markets	1
● Consumer Goods	1
● Education Management	1
● Financial Services	1
● Food Production	1

Highest-Rated Features

Not enough data to include highest-rated features for NumXL.

Lowest-Rated Features

Not enough data to include lowest-rated features for NumXL.

Ownership
Spider Financial

HQ Location
Chicago, IL

Year Founded
2008

Employees (Listed On Linkedin™)
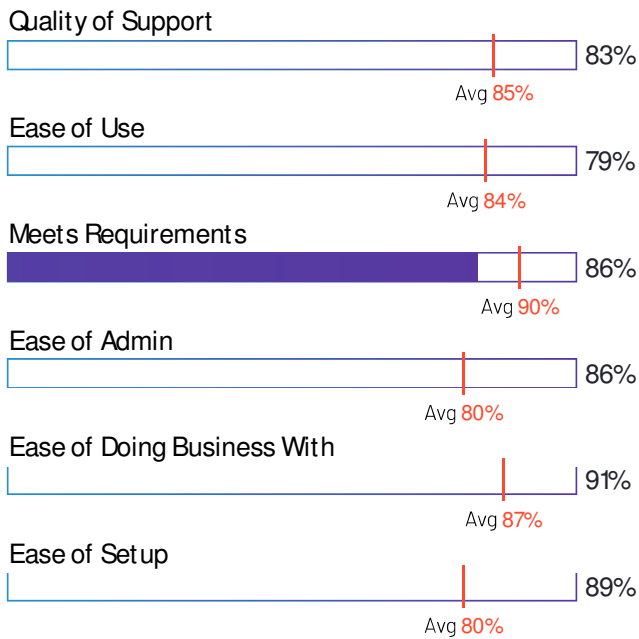5

Company Website
www.spiderfinancial.com
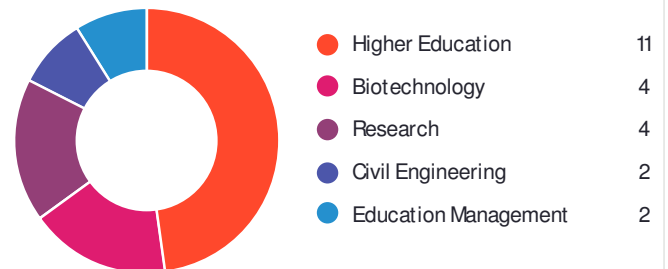
JMP

4.3 ★★★★½ (48)

JMP has been named a Contender product based on having a relatively low customer Satisfaction score and large Market Presence compared to the rest of the category. While they may have positive reviews, they do not have enough reviews to validate those ratings. 91% of users rated it 4 or 5 stars, 72% of users believe it is headed in the right direction, and users said they would be likely to recommend JMP at a rate of 85%.

Satisfaction Ratings

Quality of Support
83%
Avg 85%

Ease of Use
79%
Avg 84%

Meets Requirements
86%
Avg 90%

Ease of Admin
86%
Avg 80%

Ease of Doing Business With
91%
Avg 87%

Ease of Setup
89%
Avg 80%

*N/A is displayed when fewer than five responses were received for the question.

Top Industries Represented

● Higher Education	11
● Biotechnology	4
● Research	4
● Civil Engineering	2
● Education Management	2

Highest-Rated Features

Not enough data to include highest-rated features for JMP.

Lowest-Rated Features

Not enough data to include lowest-rated features for JMP.

Ownership
SAS

HQ Location
Cary, NC

Year Founded
1976

Employees (Listed On Linkedin™)
24401

Company Website
www.sas.com

SAS Base

4.2 ★★★★☆ (49)

SAS Base has been named a Contender product based on having a relatively low customer Satisfaction score and large Market Presence compared to the rest of the category. While they may have positive reviews, they do not have enough reviews to validate those ratings. 94% of users rated it 4 or 5 stars, 78% of users believe it is headed in the right direction, and users said they would be likely to recommend SAS Base at a rate of 85%.

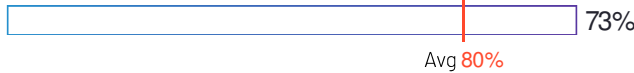## Satisfaction Ratings

Quality of Support
84%
Avg 85%

Ease of Use
77%
Avg 84%

Meets Requirements
89%
Avg 90%

Ease of Admin
73%
Avg 80%

Ease of Doing Business With
84%
Avg 87%

Ease of Setup
69%
Avg 80%

Top Industries Represented

Higher Education	8
Banking	6
Hospital & Health Care	5
Research	5
Government Administration	4
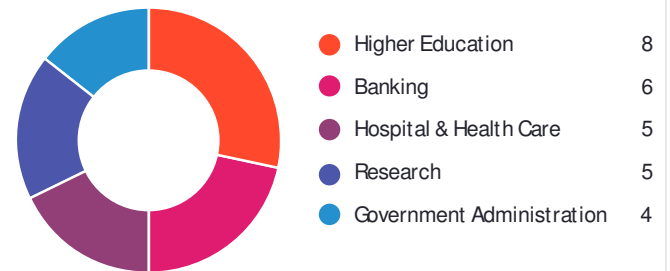
Highest-Rated Features

Not enough data to include highest-rated features for SAS Base.

Lowest-Rated Features

Not enough data to include lowest-rated features for SAS Base.

Ownership
SAS

HQ Location
Cary, NC

Year Founded
1976

Employees (Listed On Linkedin™)
24401

Company Website
www.sas.com

SAS/STAT

4.0 ★★★★☆ (27)

SAS/STAT has been named a Contender product based on having a relatively low customer Satisfaction score and large Market Presence compared to the rest of the category. While they may have positive reviews, they do not have enough reviews to validate those ratings. 83% of users rated it 4 or 5 stars, 81% of users believe it is headed in the right direction, and users said they would be likely to recommend SAS/STAT at a rate of 79%.

Satisfaction Ratings

Quality of Support
83%
Avg 85%

Ease of Use
78%
Avg 84%

Meets Requirements
89%
Avg 90%

Ease of Admin
77%
Avg 80%

Ease of Doing Business With
89%
Avg 87%

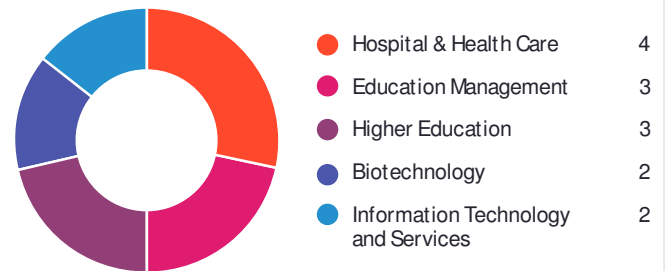Ease of Setup
79%
Avg 80%

*N/A is displayed when fewer than five responses were received for the question.

Top Industries Represented

Hospital & Health Care	4
Education Management	3
Higher Education	3
Biotechnology	2
Information Technology and Services	2

Highest-Rated Features

Not enough data to include highest-rated features for SAS/STAT.

Lowest-Rated Features

Not enough data to include lowest-rated features for SAS/STAT.

Ownership
SAS

HQ Location
Cary, NC

Year Founded
1976

Employees (Listed On Linkedin™)
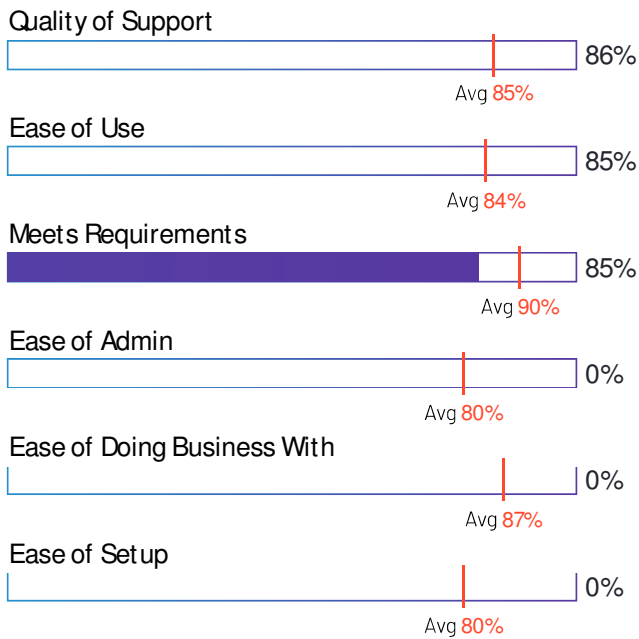24401

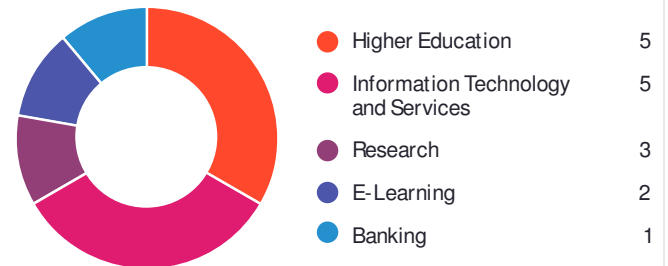**Company Website**
www.sas.com

KNIME Analytics Platform

4.3 ★★★★⯨ (24)

KNIME Analytics Platform has been named a Niche product based on having a relatively low Satisfaction score and low Market Presence compared to the rest of the category. While they may have positive reviews, they do not have enough reviews to validate those ratings. 95% of users rated it 4 or 5 stars, 89% of users believe it is headed in the right direction, and users said they would be likely to recommend KNIME Analytics Platform at a rate of 87%. KNIME Analytics Platform is also in the Predictive Analytics and Business Intelligence Platforms categories.

Satisfaction Ratings

Quality of Support
86%
Avg 85%

Ease of Use
85%
Avg 84%

Meets Requirements
85%
Avg 90%

Ease of Admin
0%
Avg 80%

Ease of Doing Business With
0%
Avg 87%

Ease of Setup
0%
Avg 80%

*N/A is displayed when fewer than five responses were received for the question.

Top Industries Represented

Higher Education	5
Information Technology and Services	5
Research	3
E-Learning	2
Banking	1

Highest-Rated Features

Not enough data to include highest-rated features for KNIME Analytics Platform.

Lowest-Rated Features

Not enough data to include lowest-rated features for KNIME Analytics Platform.

Ownership
KNIME

HQ Location
Zurich, Switzerland

Year Founded
2008

Employees (Listed On Linkedin™)
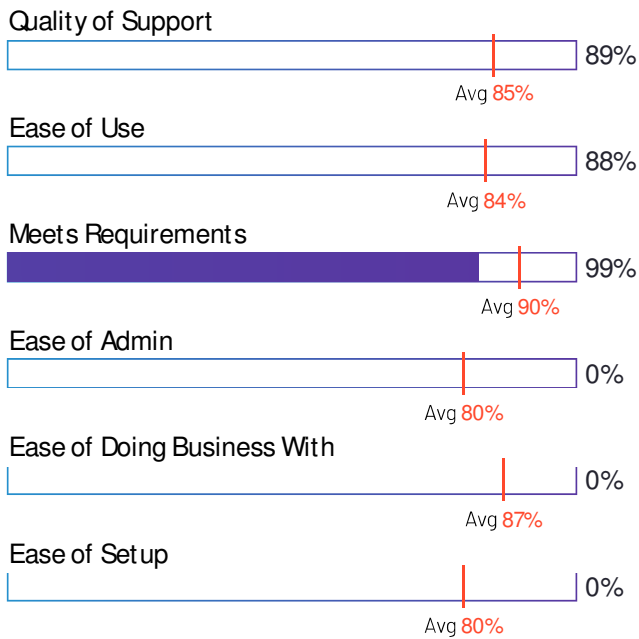74

Company Website
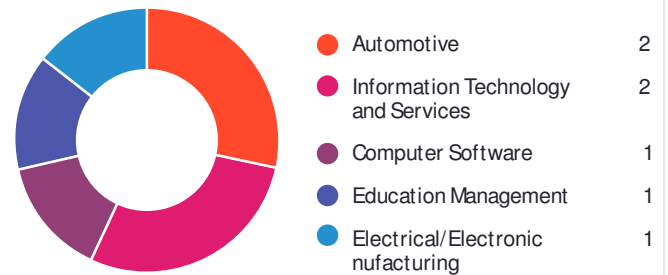knime.com

Scilab

4.8 ★★★★★ (11)

Scilab has been named a Niche product based on having a relatively low Satisfaction score and low Market Presence compared to the rest of the category. While they may have positive reviews, they do not have enough reviews to validate those ratings. 100% of users rated it 4 or 5 stars, 91% of users believe it is headed in the right direction, and users said they would be likely to recommend Scilab at a rate of 96%. Scilab is also in the Computer-Aided Engineering (CAE) category.

Satisfaction Ratings

Quality of Support
89%
Avg 85%

Ease of Use
88%
Avg 84%

Meets Requirements
99%
Avg 90%

Ease of Admin
0%
Avg 80%

Ease of Doing Business With
0%
Avg 87%

Ease of Setup
0%
Avg 80%

*N/A is displayed when fewer than five responses were received for the question.

Top Industries Represented

Industry	Count
Automotive	2
Information Technology and Services	2
Computer Software	1
Education Management	1
Electrical/Electronic nufacturing	1

Highest-Rated Features

Not enough data to include highest-rated features for Scilab.

Lowest-Rated Features

Not enough data to include lowest-rated features for Scilab.

Ownership
Scilab Enterprises

HQ Location
Rungis, France

Year Founded
2010

Employees (Listed On Linkedin™)
6

Company Website
www.scilab.org

Satisfaction Ratings for Statistical

G2 reviewers rated software vendors' ability to satisfy their needs as shown in the table below.

	Satisfaction		Satisfaction by Category						Net Promoter Score (NPS)
	Likely to Recommend	Product Going in Right Direction?	Meets Requirements	Ease of Admin	Ease of Doing Business	Quality of Support	Ease of Setup	Ease of Use	Net Promoter Score (NPS) (Range from -100 to +100)
SPSS Statistics	83%	67%	87%	78%	80%	77%	77%	81%	39
RStudio	90%	86%	92%	86%	88%	84%	89%	86%	64
Stata	86%	76%	89%	N/A	N/A	83%	N/A	82%	44
NumXL	95%	92%	93%	N/A	N/A	100%	N/A	96%	78
JMP	85%	72%	86%	86%	91%	83%	89%	79%	40
SAS Base	85%	78%	89%	73%	84%	84%	69%	77%	42
SAS/STAT	79%	81%	89%	77%	89%	83%	79%	78%	26
KNIME Analytics Platform	87%	89%	85%	N/A	N/A	86%	N/A	85%	47
Scilab	96%	91%	99%	N/A	N/A	89%	N/A	88%	90
Average	87%	81%	90%	80%	87%	85%	80%	84%	52

* N/A is displayed when fewer than five responses were received for the question.

** A blank box indicates that a vendor has selected that they do not offer that feature.

Additional Data for Statistical

The table below includes a breakdown of the customer segments for each product, as represented by G2 reviewers.

Customers by Size

	Small Business (50 or fewer emp.)	Mid-Market (51-1000 emp.)	Enterprise (>1000 emp.)
SPSS Statistics	26%	26%	48%
RStudio	24%	26%	50%
Stata	24%	28%	48%
NumXL	38%	25%	38%
JMP	24%	24%	51%
SAS Base	18%	18%	63%
SAS/STAT	13%	33%	54%
KNIME Analytics Platform	25%	20%	55%
Scilab	27%	36%	36%
Average	24%	26%	49%

(Additional Data for Statistical continues on next page)

*N/A is displayed when fewer than five responses were received for the question or when data is not publicly available.

Additional Data for Statistical (continued)

The table below highlights implementation and deployment data as indicated in real user reviews on G2.

Implementation

	Deployment	
	Cloud	**On-Premises**
SPSS Statistics	0%	100%
RStudio	20%	80%
Stata	N/A	N/A
NumXL	N/A	N/A
JMP	20%	80%
SAS Base	22%	78%
SAS/STAT	40%	60%
KNIME Analytics Platform	N/A	N/A
Scilab	N/A	N/A

(Additional Data for Statistical continues on next page)

*N/A is displayed when fewer than five responses were received for the question or when data is not publicly available.

Additional Data for Statistical (continued)

The table below highlights third-party market presence data used to inform the G2's Market Presence Score that highlights each product's impact and influence in the category.

Market Presence

	Vendor Name	Year Founded	Revenue ($MM)	Employees on LinkedIn (Vendor)	LinkedIn Followers	Twitter Followers (Vendor)	Glassdoor Rating	Alexa Web Traffic Rank
SPSS Statistics	IBM	1911	$79,139	579,174	5,751,081	528,587	3.6	619
RStudio	RStudio	2009	N/A	139	26,727	80,187	5.0	8,521
Stata	StataCorp	1985	N/A	95	4,707	16,866	3.8	17,265
NumXL	Spider Financial	2008	N/A	5	21	22	N/A	446,520
JMP	SAS	1976	N/A	24,401	542,657	57,573	3.7	5,667
SAS Base	SAS	1976	N/A	24,401	542,657	57,573	3.7	5,667
SAS/STAT	SAS	1976	N/A	24,401	542,657	57,573	3.7	5,667
KNIME Analytics Platform	KNIME	2008	N/A	74	5,365	5,291	N/A	106,074
Scilab	Scilab Enterprises	2010	N/A	6	1,359	2,147	N/A	77,009

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