IBM Performance 2011

Smarter Decisions. Better Results.



What's new in IBM SPSS Statistics 20



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Themes of IBM SPSS Statistics 20

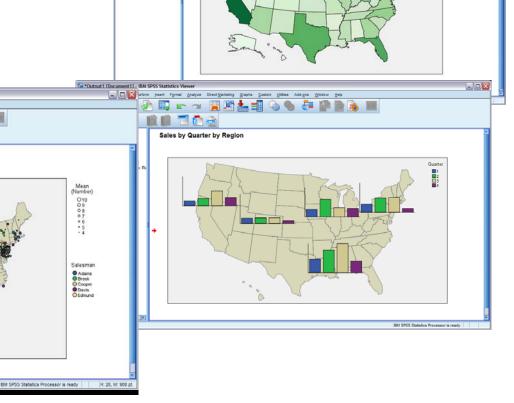
- Mapping Visualization
 - Adding geographic dimensions to analysis and reporting capabilities to gain better insight into data
- Improved Analytics
 - Improvements to existing analytics, gives users more options to improve the accuracy of their analysis
- Increased Productivity and Architecture
 - Faster output and flexible technology allow users to increase production and not be restricted by software limitations



Mapping Visualization

Plot analysis results on geographic maps (IBM SPSS Statistics Base)

Sales (Location, Salesman, and Number of Units Sold)



Sum of Total Sales by State

Output

Title Active Dataset

*Output1 [Document1] - IBM SPSS Statistics Viewer



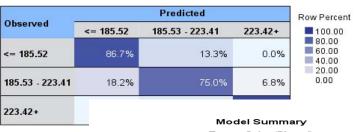
Improved Analytics

Generalized linear mixed models for ordinal targets (IBM SPSS Advanced Statistics)

Combination of Generalized Linear (GENLIN) and Linear Mixed (MIXED) models

- Simplified user interface (For subjects) repeated measures, effects)
- Role use (for targets and fixed effects)
- New kinds of visualizations in output

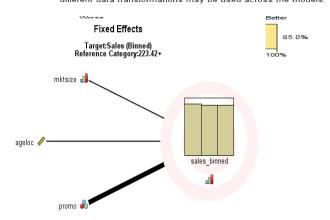
Classification Target: Sales (Binned) Overall Percent Correct =85.0%



Target: Sales (Binned)

Target		Sales (Binned)
Probability Distribution		Multinomial
Link Function		Cumulative logit
Information Criterion	Akaike Corrected	1,808.135
	Bayesian	1,810.939

Information criteria are based on the -2 log pseudo likelihood (1,806.102) and are used to compare models. Models with smaller information criterion values fit better. When comparing models using pseudo likelihood values, caution should be used because different data transformations may be used across the models.

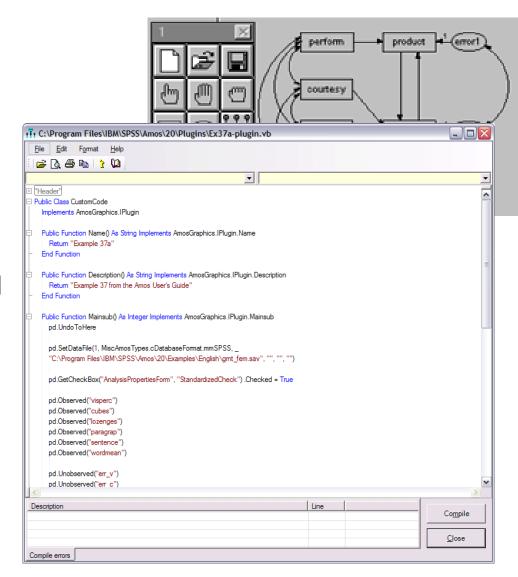




Improved Analytics

Non-graphical method of model specification in IBM SPSS Amos

- Improves accessibility
- Useful for large, complicated models
- Helpful if you need to generate a lot of similar models that differ only in some details.





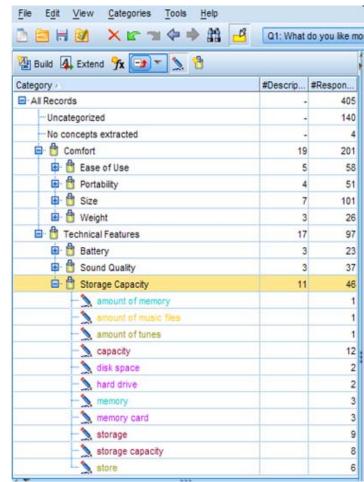
Improved Analytics

SPSS Text Analytics for Surveys 4.0.1:

Categorize open text to produce additional categories (new variables)

Support for hierarchical categories







Increase Productivity

Faster tables output (All Statistics Modules)

- Tables are instant, interactive and fully editable
- No longer have to wait while the output table renders
- How much faster? Up to 7x faster than existing tabular generation





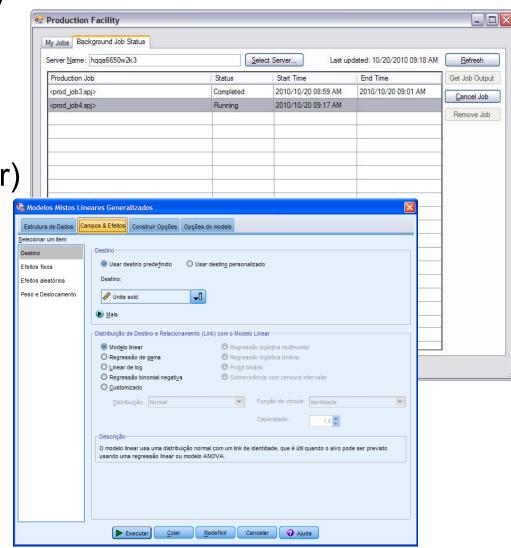
Increased Productivity

Running server jobs disconnected (IBM SPSS Stastistics Server)

Improved file saving and sorting

(Client and Server)

Brazilian Portuguese user interface





Questions