

Tips and Tricks for Getting More Done with IBM[®] SPSS[®] Statistics



Tips and Tricks for Getting More Done with Statistics: Agenda

- Introductions
- Overview for this Session
 - Capturing Settings & Configurations
 - Connecting to a Database
 - ETL from within Statistics
 - Working with Dates
 - Weighting Cases
 - Identifying Anomalies
 - Custom Dialogs & Extensions
 - Response Sets
 - Tips & Tricks with Add-ons
- Goal for this Session
 - You walk away with at least one (1) tip or trick that will save you time or improve your analysis / workflow

Tips and Tricks for Getting More Done with Statistics: The Paste Button & Command Syntax

- Capturing Settings and Configurations for Easier Production and Quicker Re-runs
 - The Paste Button
 - Other Syntax Tips

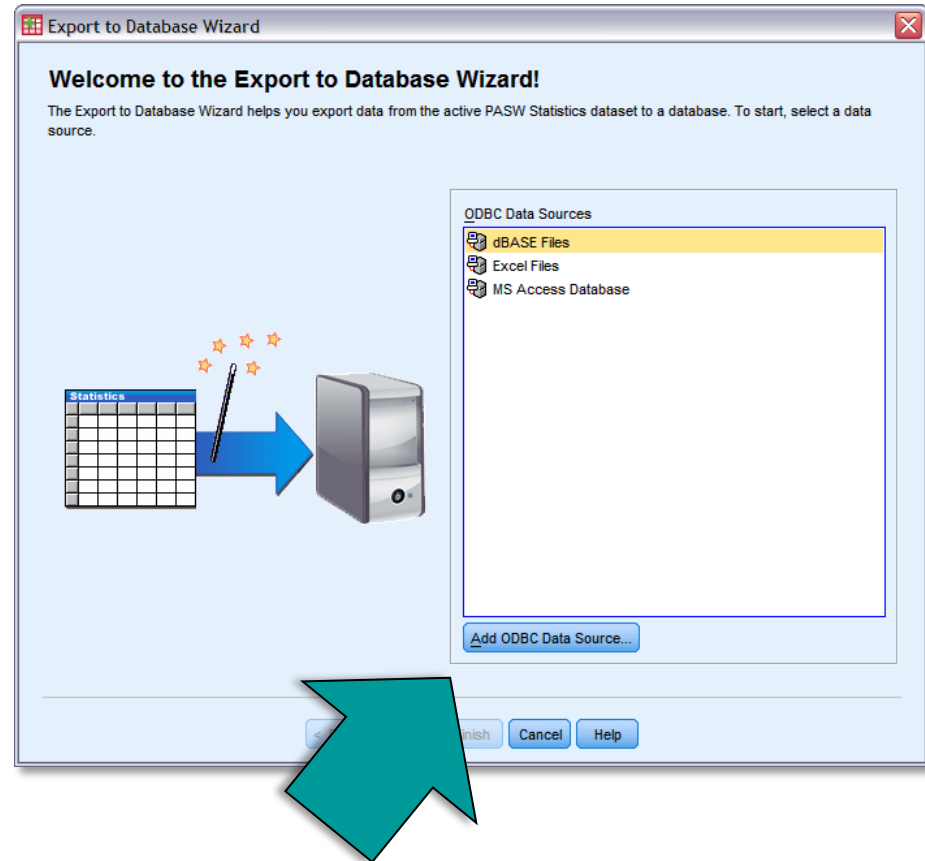
The image shows several SPSS dialog boxes for Logistic Regression. The main dialog box has a 'Paste' button highlighted with a teal arrow. A large teal arrow also points from the 'Paste' button to a code window containing SAS command syntax. The code window shows the following commands:

```

1
2 DATASET ACTIVATE DataSet2.
3 LOGISTIC REGRESSION VARIABLES default
4 /SELECT=validate EQ 1
5 /METHOD=FSTEP(LR) age ed employ address income debtcnc creddebt othdebt
6 /CONTRAST (ed)=Indicator
7 /SAVE=PRED COOK SRESID
8 /PRINT=GOODFIT
9 /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).
10
    
```

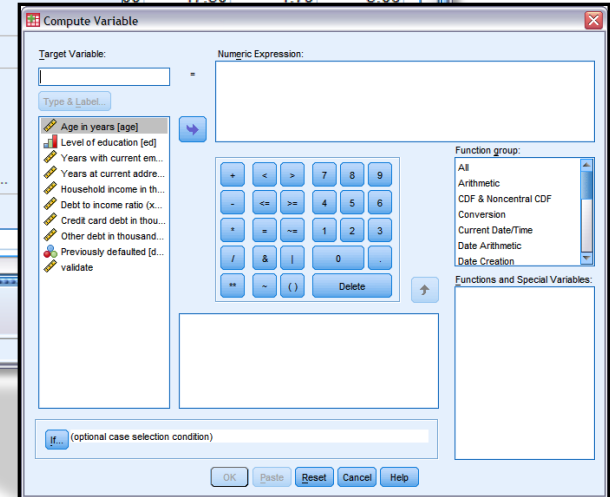
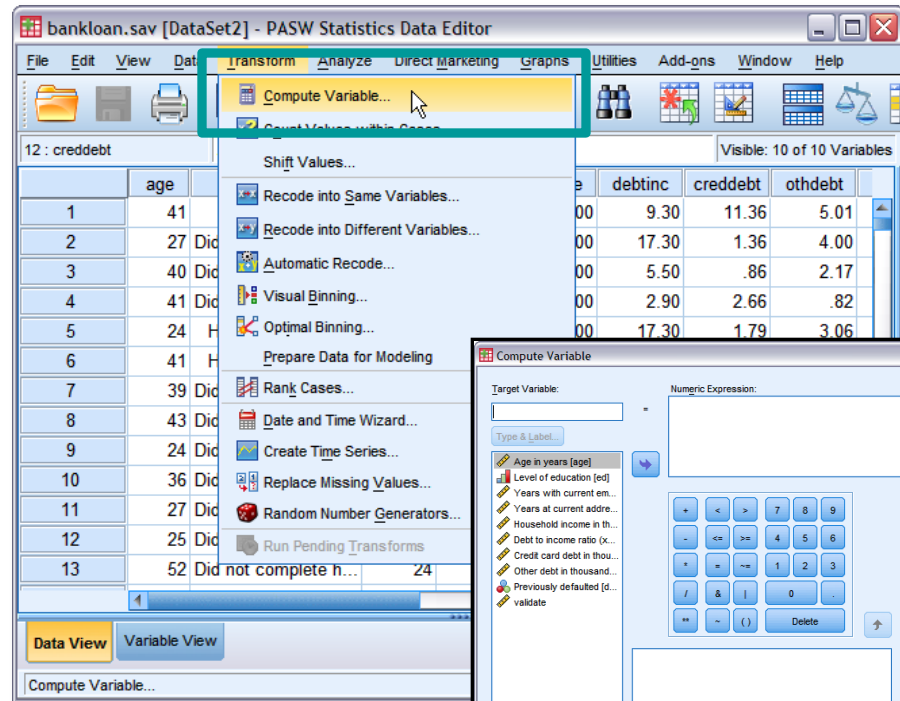
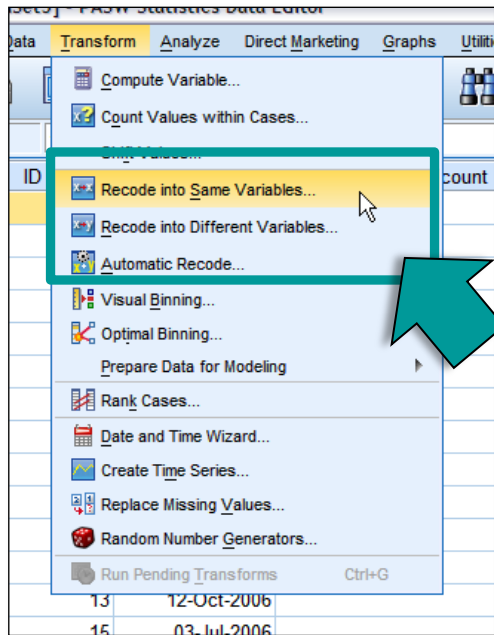
Tips and Tricks for Getting More Done with Statistics: The Database Wizard

- Connecting Directly to a Dataset or Database
 - ODBC
 - Net Effect: Eliminating Steps!
 - The Database Wizard



Tips and Tricks for Getting More Done with Statistics: Recoding and Compute Variables

- ETL (Extract, Transform, Load) from within Statistics to Save Time
 - Recoding Variables
 - Defining Compute Variables
 - Other Examples



Tips and Tricks for Getting More Done with Statistics: The Date Wizard

- Working with Dates, Ages, and Elapsed Time
 - How Statistics works with Dates
 - Working with Dates and Ages in earlier versions of Statistics

The image shows two overlapping screenshots of the 'Date and Time Wizard' software interface. The top screenshot is titled 'Date and Time Wizard - Step 2 of 3' and contains the following elements:

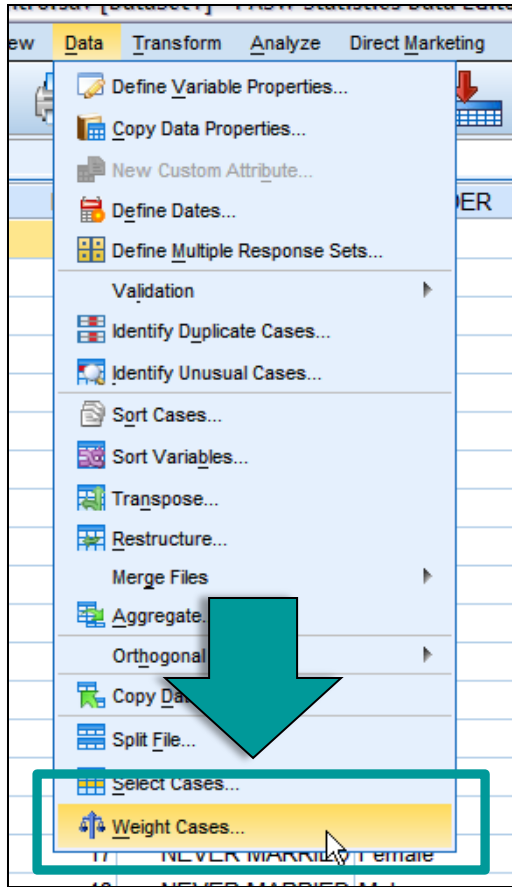
- Title Bar:** Date and Time Wizard - Step 2 of 3
- Instruction:** 'Add to or subtract from a date or date/time variable. Choose a date or date/time variable. Then choose either a duration variable or an ordinary variable or enter a constant; Set the duration units and operation choice appropriately, and press Next.'
- Variables List:** A list of variables including 'Level of education [ed]', 'Years with current employer [e...]', 'Years at current address [addr...]', 'Household income in thousands...', 'Debt to income ratio (x100) [deb...]', 'Credit card debt in thousands [c...]', 'Other debt in thousands [othdebt]', 'Previously defaulted [default]', and 'validate'.
- Date Selection:** A 'Date:' field with a dropdown menu showing 'Current date and time [STIME]'.
- Duration Variable:** A 'Duration Variable:' field with a dropdown menu showing 'Birthdate [age]'.
- Units:** A 'Units:' dropdown menu set to 'Years'.
- Duration Constant:** An empty text input field.
- Operation:** Radio buttons for 'Addition' and 'Subtraction', with 'Subtraction' selected.
- Buttons:** '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'.

The bottom screenshot is titled 'Date and Time Wizard - Step 1 of 3' and contains the following elements:

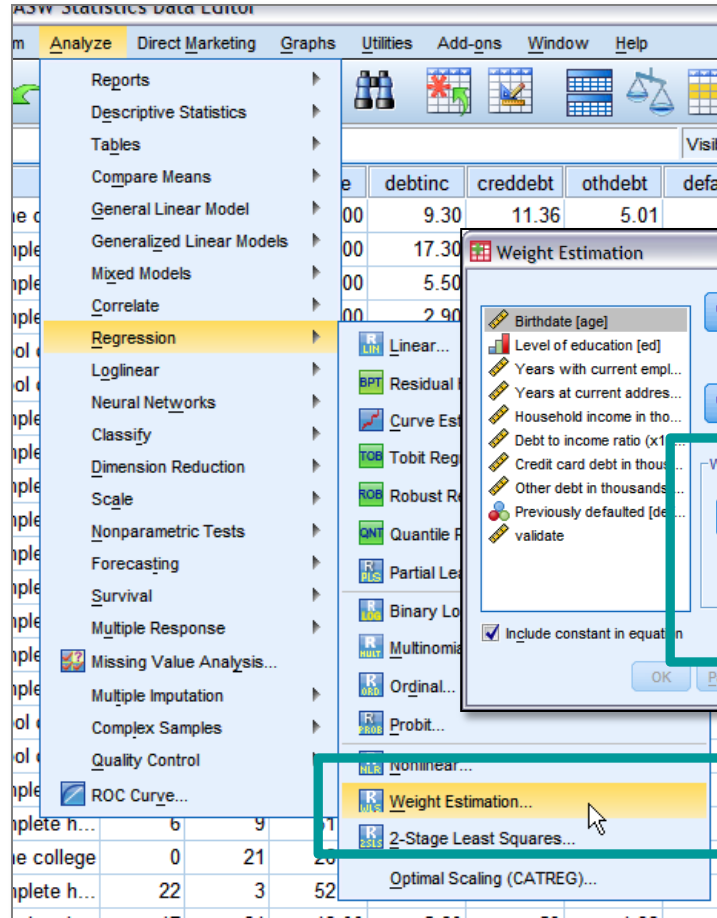
- Title Bar:** Date and Time Wizard - Step 1 of 3
- Instruction:** 'Enter a name for the result variable'.
- Calculation:** 'STIME - age (Years)'
- Result Variable:** A text input field containing 'age_today'.
- Variable Label:** A text input field containing 'Age in Years'.
- Execution:** Radio buttons for 'Create the variable now' (selected) and 'Paste the syntax into the syntax window'.
- Buttons:** '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'.

A large cyan arrow points from the bottom screenshot towards the top screenshot, indicating the flow of the wizard.

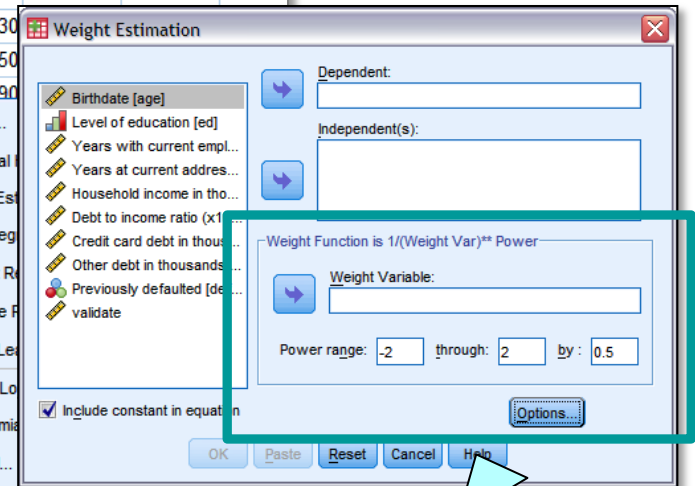
Tips and Tricks for Getting More Done with Statistics: Weighting Cases



With Statistics Base

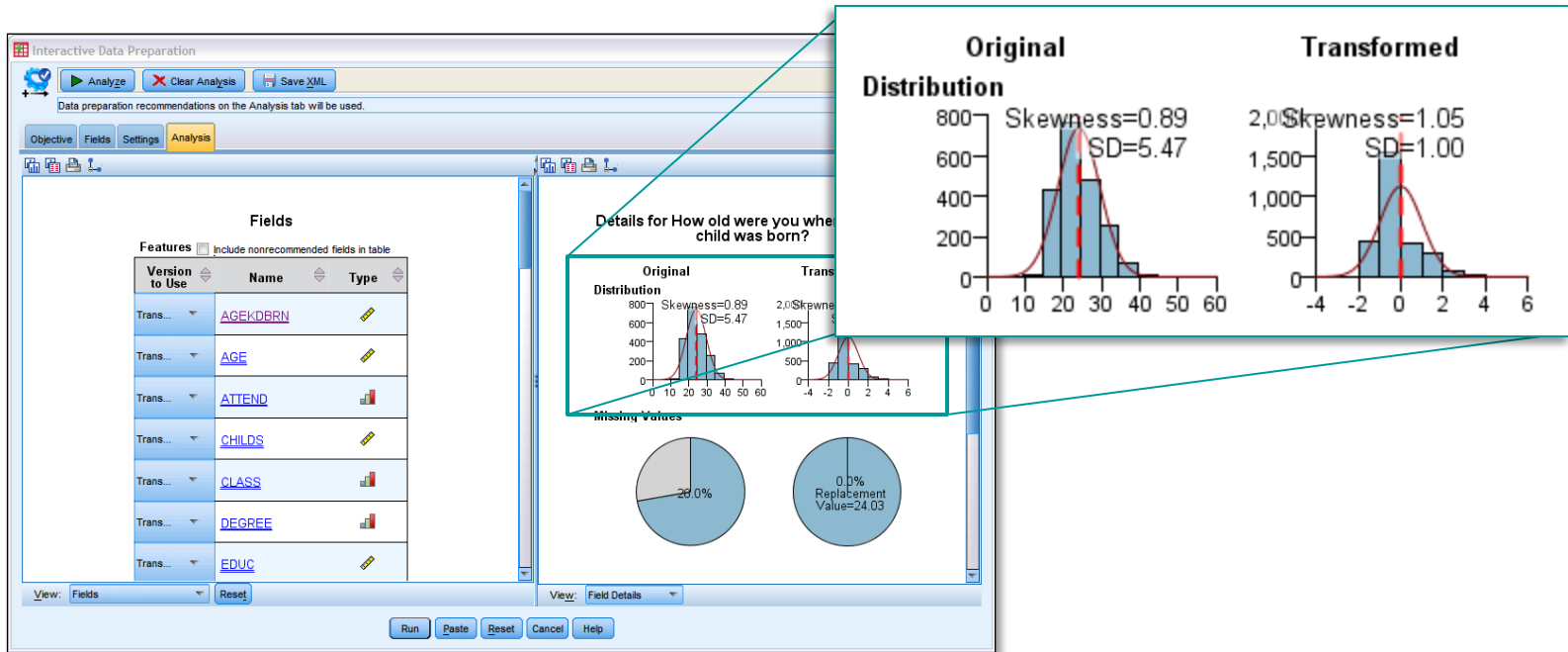


With Add-on
Modules



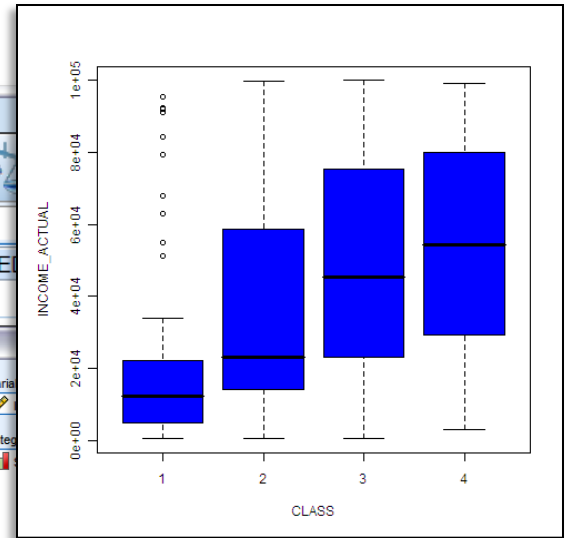
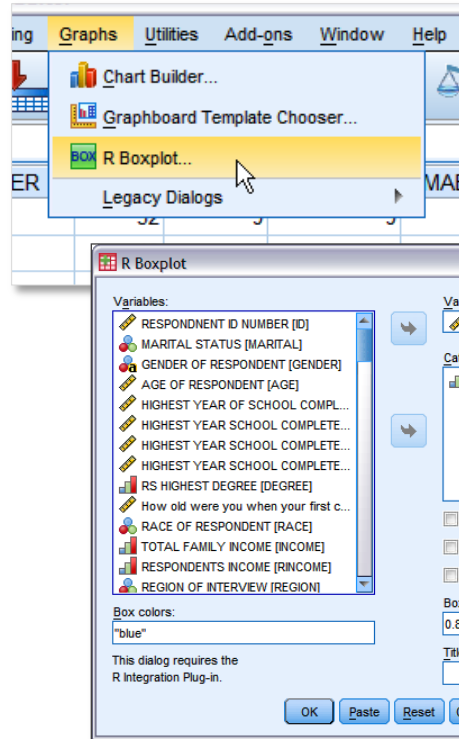
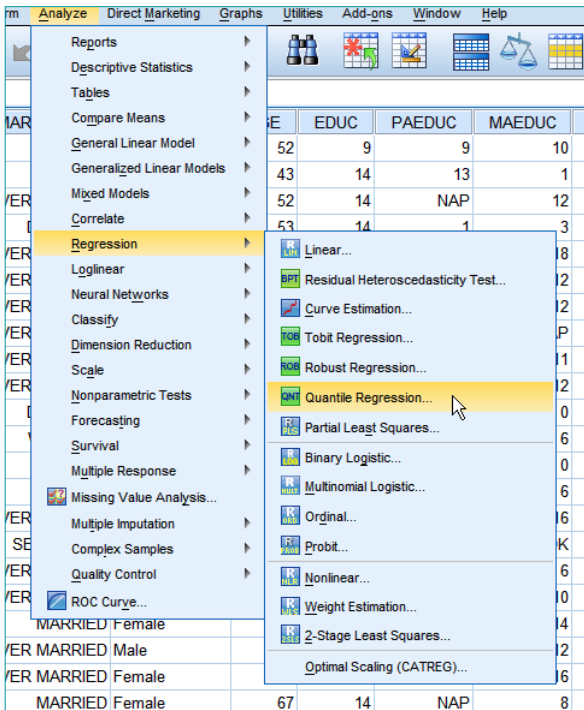
Tips and Tricks for Getting More Done with Statistics: Finding Outliers

- Identifying Anomalies in Data Sets
 - Using only Statistics Base
 - Via Various Add-on Modules



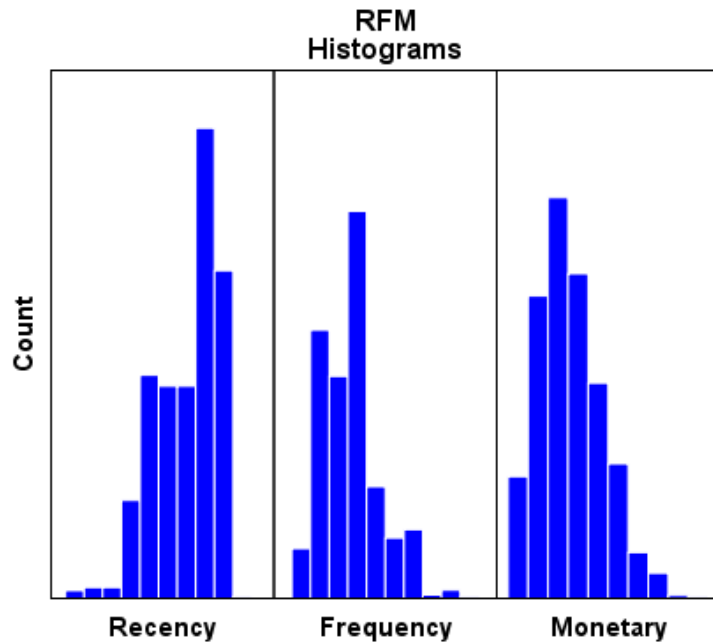
Tips and Tricks for Getting More Done with Statistics: Custom Dialog Boxes & Menus

- Custom Interfaces for Quicker Analysis and Production
 - Custom Dialogs and Extensions



Tips and Tricks for Getting More Done with Statistics: Using IBM SPSS Direct Marketing in Other Ways

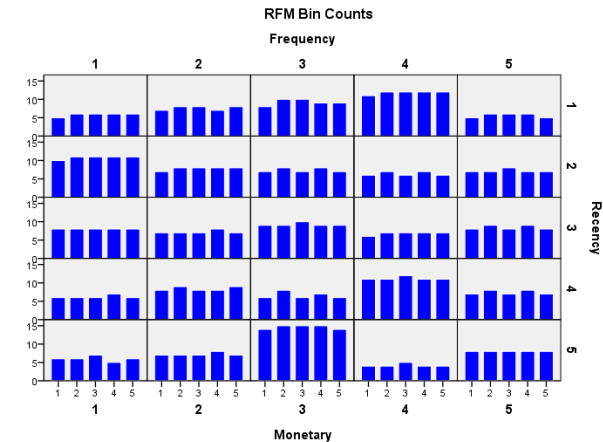
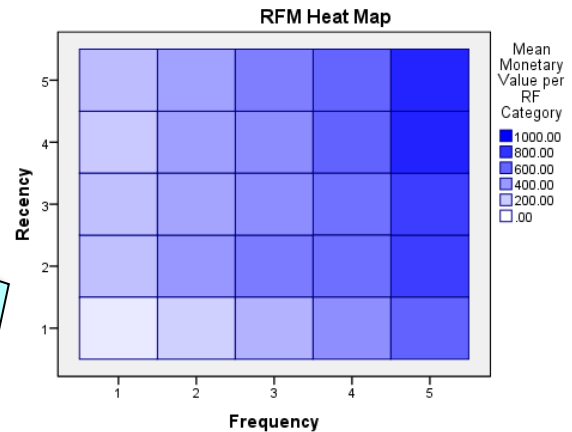
- Tips within a Few of the Add-on Modules
 - Example: Direct Marketing Module
 - Other Examples



Recency
Mean = 19-Mar-2008
Std. Dev. = 194.49022936
N = 995

Frequency
Mean = 4.93
Std. Dev. = 2.204
N = 995

Monetary
Mean = 466.4905
Std. Dev. = 240.63476
N = 995



Tips and Tricks for Getting More Done with Statistics: Next Steps

- Goal for this Session
 - You walk away with at least one (1) tip or trick that will save you time or improve your analysis / workflow
- For more information call **(800) 543-2185**
- Recommended Resources
 - Tutorials and Case Studies within Statistics
 - developerWorks – <http://www.ibm.com/developerworks/>
 - Search for “SPSS”
 - Predictive Perspective Events
 - Statistics Certification
 - Information on Demand 2011 – Las Vegas