To Drink or Not to Drink? That is the question: Analyzing Alcohol Data with JMP 15

- Mandy Chambers, Principal Test Engineer
- Melanie Drake, Principal Systems Engineer



True confession ...

Drink Choice: Wine ... After water of course!

What does "Top shelf " mean?

- of a high quality; excellent.



Photo of The Grape and Ale in Oak Island, NC







Is "top shelf" alcohol healthier?

In other words is [the same amount of consumed] top shelf alcohol healthier than the cheap stuff?

Answer: Any consumed amount of X% Ethanol will have the same effect on your body, regardless of brand.





Why this subject?

- Social House Vodka Kinston, NC (2017)
- Connection with Board Members
- "Hey, they need JMP to evaluate their data"
- North Carolina evaluate sales per county
- Explore possibilities for marketing enhancements
- Compare to Titos, Greygoose, etc. & other spirits – look at overall vodka trends
- JMP 15 Features



Social House Vodka Distillery





- started at NC State
- tour in Kinston in the future





Time for a stiff drink

Average number of drinks per capita consumed in the past week, by decile, among adults aged 18 and over.

0.63

drinks

Sixth

0.14 drinks

Fifth

decile

0.02 drinks

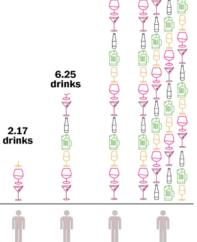
Fourth

decile

73.85 drinks

30 percent of American adults don't drink at all. Another 30 percent consume, on average, less than one drink per week.

On the other hand, the top 10 percent of American adults - 24 million of them - consume an average of 74 drinks per week, or a little more than 10 drinks per day.



15.28 drinks





Second

decile

drinks

drinks

Third

decile

drinks

Bottom

Ninth decile

Eighth

Seventh

Top decile



Fun facts about Alcohol

- Although "The quick brown fox jumps over the lazy dog" is considered
 to be the shortest sentence that includes all the letters of the
 alphabet, alcohol lovers came up with one of their own "Pack my box
 with five dozen liquor jugs."
- Distilled spirits such as brandy, gin, rum, vodka, etc. contain no carbohydrates, no fats and no cholesterol of any kind.
- Spraying your clothes with Vodka can eliminate odors...just be careful not to overdo it as it might stain.
- Vodka is the world's most popular alcohol with approximately 5 billion liters consumed per year.



JMP 15 New Features



New Favorite things ...

- Import Data
 - o Google Sheets importing data
 - o PDF file import
- Value Order column property enhanced to allow for customizing sort order name change from "Value Ordering"
- Rows > Row Selection > Select Where provides Save Script red triangle option
- Data table
 - Copy Table Script (No Data)
 - Histograms in column headers (Preferences setting)
 - Colored cells in data table borders of selected cells bolded & formatted gray Columns > Clear Cell Colors
- Data visualization hover label graphlet images
- Virtual Join
 - Auto Open option
 - New Hover tip to reference virtually joined table name



JMP 15 New Features



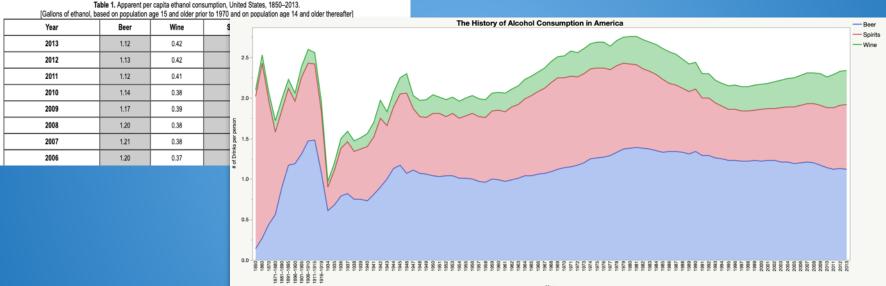
.. And a few more!

- Recode Extract Segment
 - o Preferences Recode, new recode selections and settings
 - o Select rows in recode window, selects rows in data table
- Columns Utilities –> Recode Column Names
- Save Script to Source Table option Tables Summary, Subset, Sort, Join, Transpose, Split and Stack
- **JMP LIVE **
- Preferences Show Histograms and Bars, Recode, Data Filter

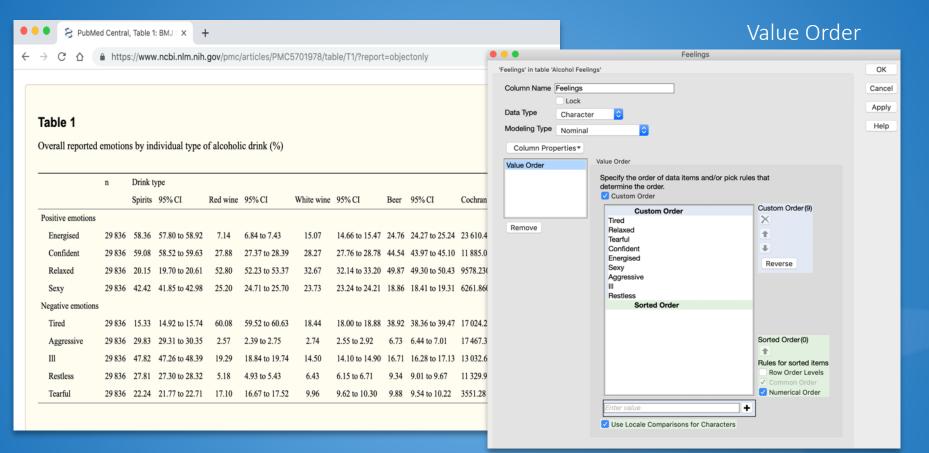




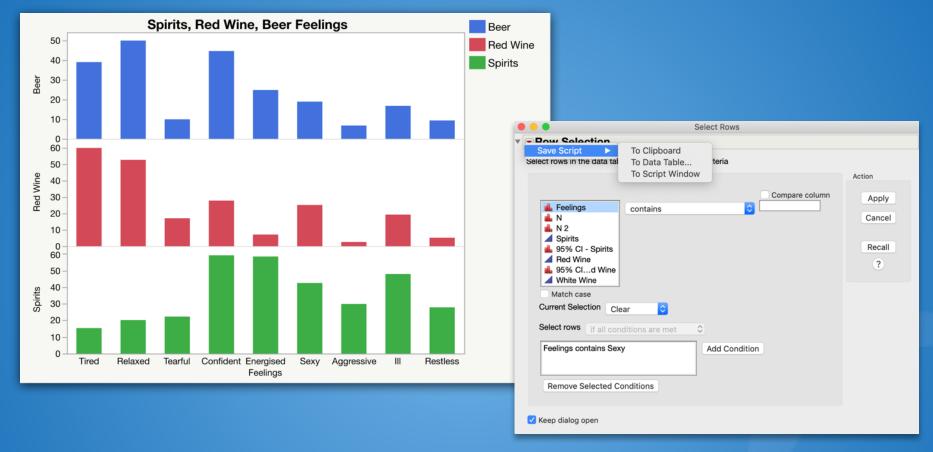
Note: Prohibition period, 1919-1934



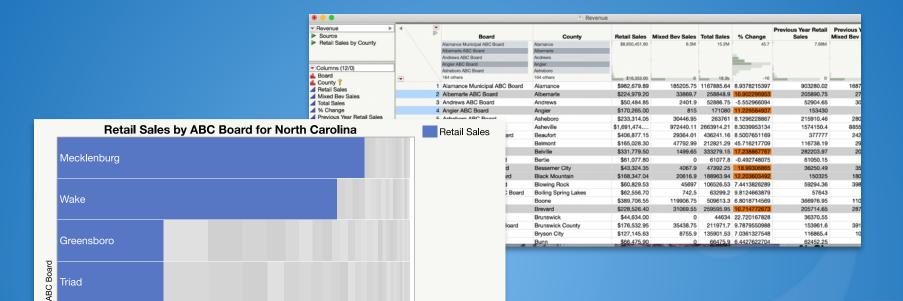












Histograms in column headers

Colored cells in table
Columns > Clear Cell Colors



From NC ABC Board-Revenue

\$8,000,000.00 \$10,000,000.00

Cumberland

New Hanover

\$2,000,000.00

Catawba

Asheville

\$4,000,000.00

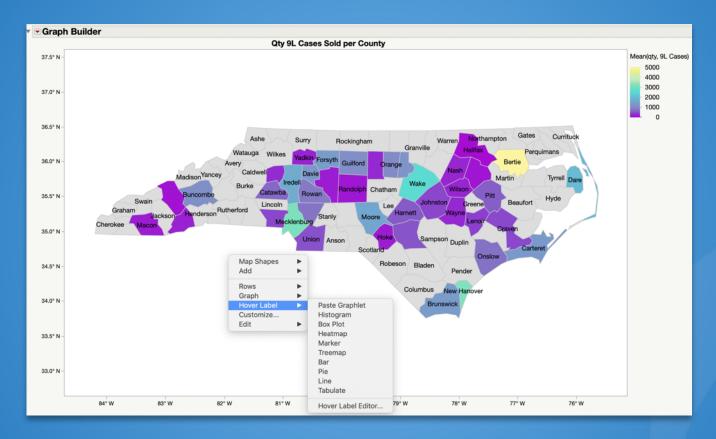
\$6,000,000.00

Retail Sales

Durham

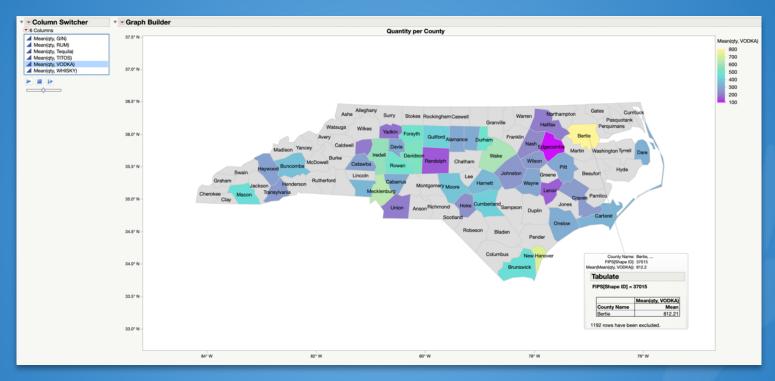
\$0.00

Social House Vodka Trends, Forecast





Qty per County, Vodka, Whiskey, GIN, etc.



Virtual Join

- Column switcher
- Pasted Graphlet



```
email = "mandy1chambers@gmail.com"; //Replace this with your email
spreadsheet =
"https://docs.google.com/spreadsheets/d/1AXv8aTWIVa0ga7...";
Google Sheet Import(
       Email( email ),
      Spreadsheet( spreadsheet ),
       // Sheets( "Sheet1", "Sheet2" ),
       Sheet Settings(
             Has Column Headers (1).
             Data Starts on Row(2),
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Google Sheets – Import data

All rows

Selected

Excluded

Hidden Labelled 3,021



18 JMP - N1 Data... 25 - COTSWO...

19 JMP - N1 Data... 26 - CALLABRI.

20 JMP - N1 Data... 27 - SOUTHEN...

21 JMP - N1 Data... 28 - PROVIDE.

7.02

4.9

8.75

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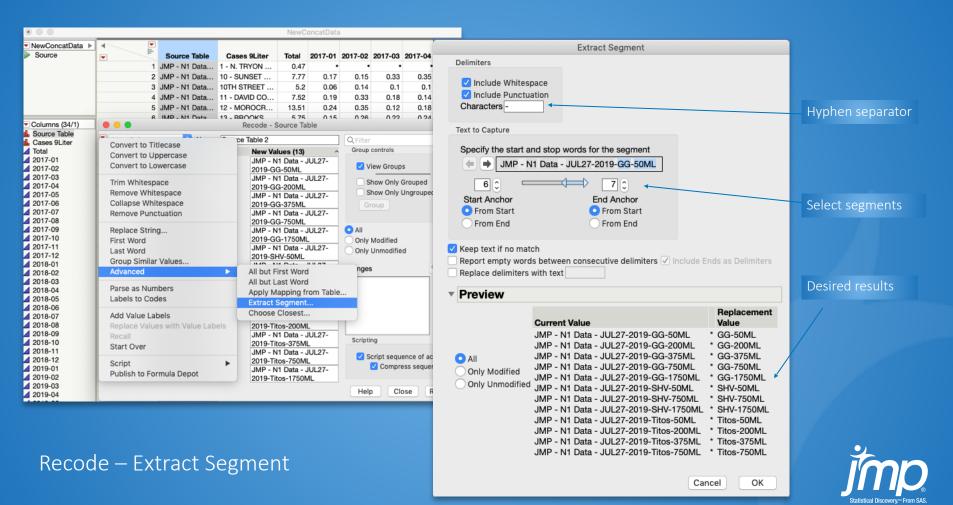
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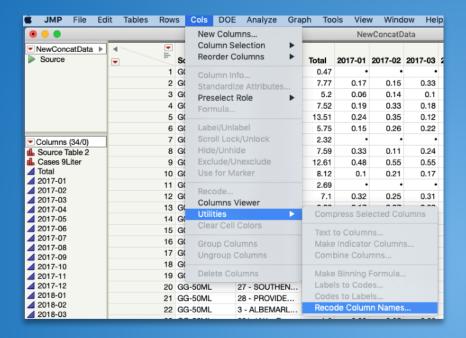
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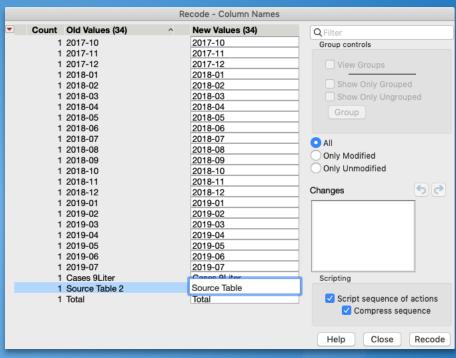
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0.21

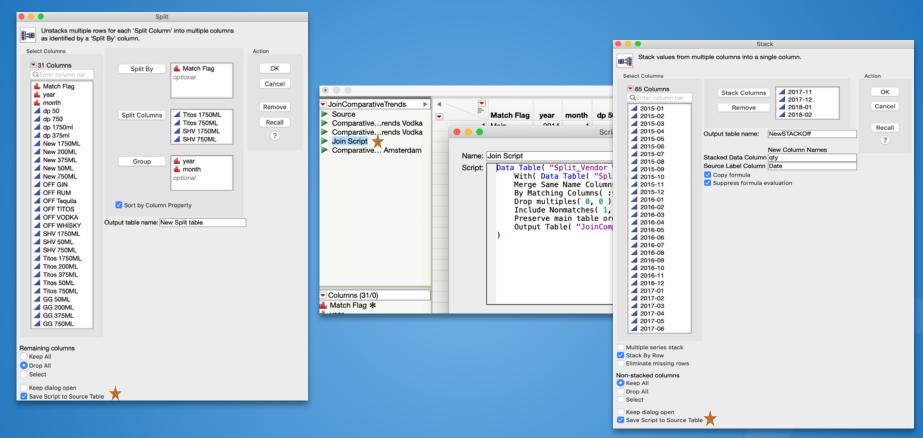






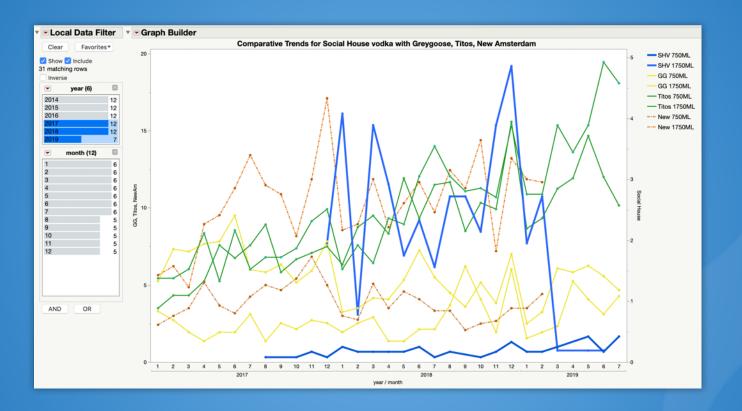
Columns > Utilities > Recode Column Names





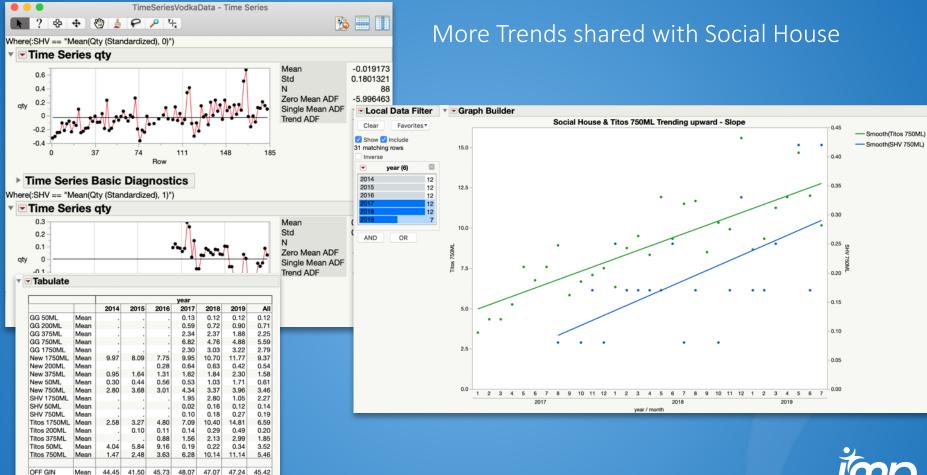






Comparative Trends







OFF RUM

OFF Tequila

OFF TITOS

OFF VODKA

Mean

Mean

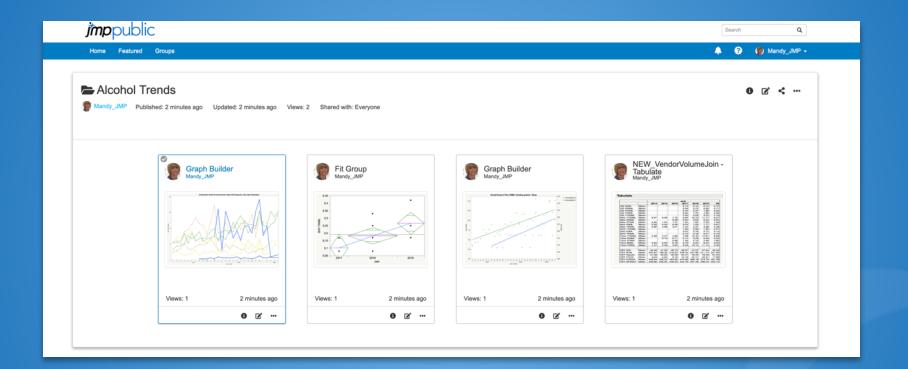
Mean

Mean

15.19

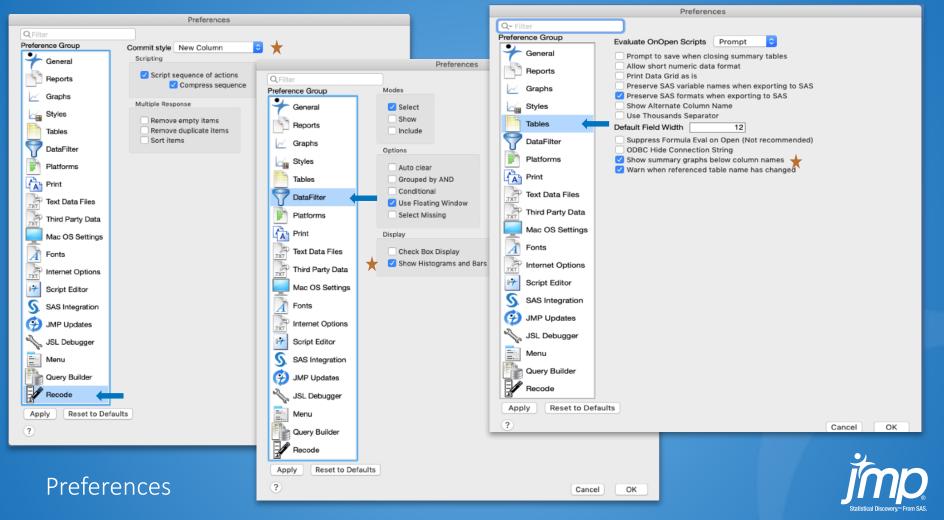
446.64 439.54 453.65 475.86 489.18 473.75 461.39

228.86 230.82 236.03 255.79 291.59 296.22 250.15





Publishing to JMP Live



DEMO





Social House Vodka ...

- Inventory low, supply issue
- Seasonality plays a big role
- January people NOT drinking nationally
- New hires, marketing strategy for 2020

Next ...

- Survey data that JMP can analyze
- Additional data, next year





JMP 15 is full of great New Features!

- Data Table
- Recode
- Importing data google sheets, PDF
- Value order
- Tables > Save scripts with Join, Split, Stack, etc.
 - .. And much more!

New confession ...

New favorite drink is a "Salty Dog" Recipe cards on the way out! ❤

Stay safe out there and ...
... Don't drink too much!





Questions?



