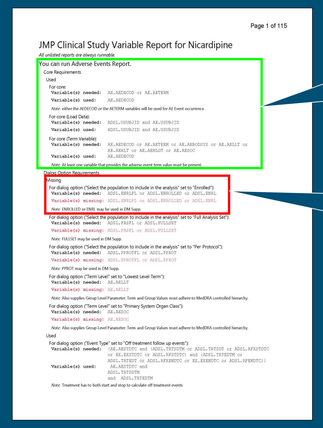
d-wise

What can JMP Clinical© do for you?

JMP Clinical can do more than AE Narratives. Here are some interesting ways it can help you with your work.
NOTE – JMP Clinical assumes your data adheres to CDISC standards

Variable Report

This should be the first report that you run on a new study. It performs initial data checks and confirms which reports you can subsequently run. It adds values by highlighting missing variables which might indicate issues with data mapping.

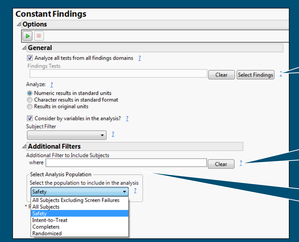


The green section is telling us that we can run reports on Adverse Events as the core requirements are met

This red section is telling us that we cannot run reports for the 'Enrolled' population, as the expected variable is not present.

Constant Findings

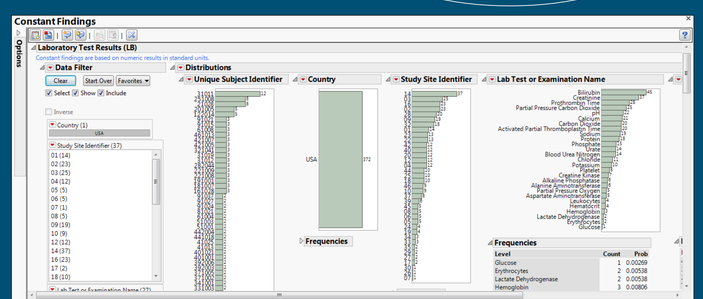
This report quickly shows tests from findings domains that have the same result for the entire study.



The report can run on all Findings domains, or on selected tests

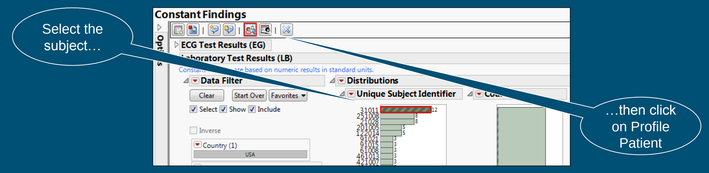
The Question Mark icon opens up the online Help to explain all of the options

The report can be filtered for specific subjects or populations

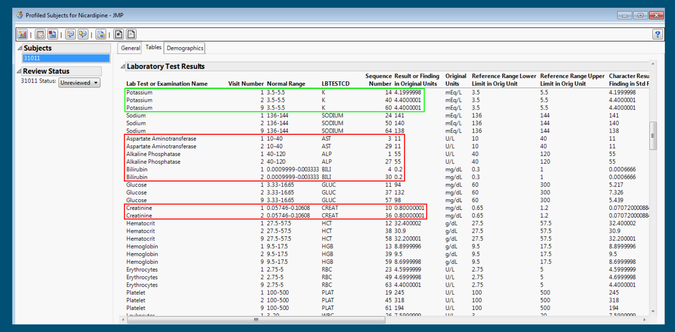


The Constant Findings report output contains A LOT of information, which can seem overwhelming. This example shows Laboratory Test Results.
The Distributions section is telling you the number of duplicate results per Subject Identifier, Site or Lab Test.
The Data Filter on the left can be used to display only the data for a Country, Site, Subject, Lab Test or Frequency

It is possible to drill-down from the Constant Findings Report (and all JMP Clinical reports) to see the underlying data.
In this case, we select subject 31011, who appears to have 12 different constant results. With the data selected, we can then click on the Profile Patients button.

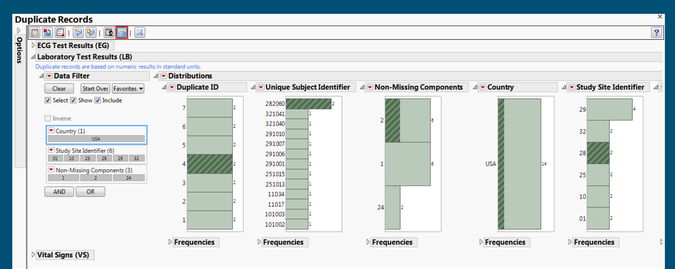


The Profiled Subjects lets us view all of the subject's data in the Tables tab.
Scrolling to Laboratory Test Results, it's not hard to see the constant results.
(NOTE – the Potassium records (in green) are not Constant Findings because the first record has a different value)

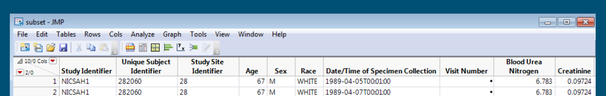


Duplicate Records

This report identifies sets of records that have identical values on more than one occasion within a subject.
The report output looks similar to the Constant Findings report, and in the same way, by selecting a subject, we can drill down to see the actual data.



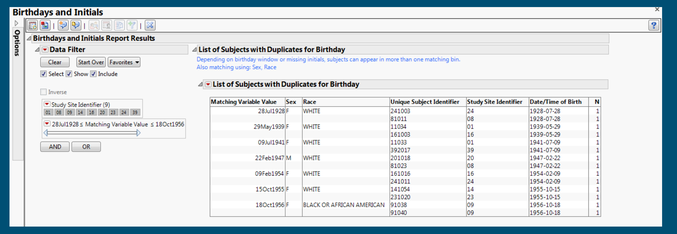
This report offers a 'Show Duplicates' button. Having selected a subject we see a subset of the duplicate dataset.
The view below has filtered out many of the columns for ease of viewing.



There are many more reports that could be useful. Two more that we will look at here are 'Birthdays and Initials' and 'Weekdays and Holidays'.

Birthdays and Initials

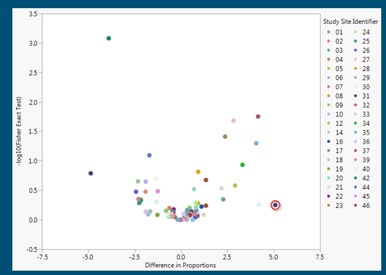
This report can help identify subjects that might be identical based on birthdate or initials. We have the option to match on birthdate or initials and to consider sex, race and ethnicity in the matching.



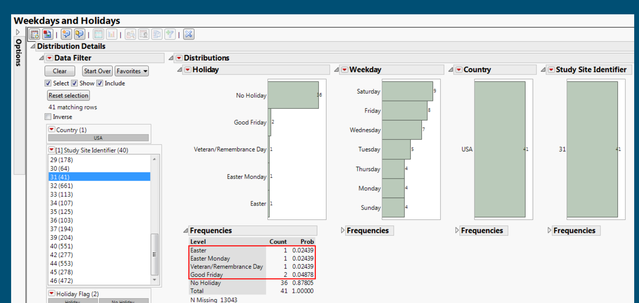
The report output shows us all of the subjects with the same sex, race and date of birth. In this example they are all enrolled at different investigator sites, so there may not be any issues to resolve. If the two sites were geographically close together or two subjects were enrolled at the same site then further investigation may be justified.

Weekdays and Holidays

This report identifies the weekday of study visits and determines if they fall on a major holiday. A volcano plot is produced as well as distribution details.



The volcano plot compares the difference in proportions of visits on specific weekdays and holidays for each study site with the combined averages of all of the other study sites.
The highlighted point is for site 31. If we look at the distribution of visits for this site, we can see the information below.



This site appears to have a higher likelihood of subjects visits on a holiday.
This particular study involved daily visits, and we can see that three of the four holidays highlighted above are all clustered together at Easter.
For a different study, a higher likelihood of study visits occurring on a holiday could be due to other reasons, which may merit investigation.

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PP20