# Traceability Matrix: pmtables 0.4.1.9003

## Scope

This Traceability Matrix links test results to specific user stories for the proposed software release. User stories, including requirements and test specifications, are listed in the Requirements Specification.

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| User Story | Test ID |
| As a user, I would like non-escaped, non-math table contents sanitized when they contain \_ or % | PMT-TEST-0183 |
| As a user, I want to be able to set the font size for the table. | PMT-TEST-0184 |
| As a user, I want to issue a command to strip tag. from tag.column-name. | PMT-TEST-0209 |
| As a user, I want to be able to create long tables that span multiple pages. | PMT-TEST-0134 |
| As a user, I want table notes sanitized for \_ or % characters. | PMT-TEST-0180 PMT-TEST-0181 |
| As a user, I want to be able to optionally render a table as longtable using the pipeable interface. | PMT-TEST-0230 |
| As a user, I want to be able to automatically save a file to an output location that also appears in the table note text. | PMT-TEST-0237 |
| As a user, I want to be able to assemble tables within a pipe interface. | PMT-TEST-0215 PMT-TEST-0217 PMT-TEST-0218 PMT-TEST-0219 PMT-TEST-0220 PMT-TEST-0221 PMT-TEST-0222 PMT-TEST-0223 PMT-TEST-0224 PMT-TEST-0225 PMT-TEST-0227 PMT-TEST-0228 PMT-TEST-0229 |
| As a user, I want to be able add horizontal lines in the table based on non-repeating values of a data frame column. | PMT-TEST-0115 |
| As a user, I want to be able to add horizontal lines in a table at arbitrary locations. | PMT-TEST-0114 |
| As a user, I want to be able to identify a row (or rows) that are summary rows and add special styling to those rows, including a horizontal line above that row, bold font face in certain cells of that row, and alternate text in certain cells of that row. | PMT-TEST-0199 |
| As a user, I want to be able to add notes that will get printed below a table. | PMT-TEST-0088 PMT-TEST-0089 PMT-TEST-0153 PMT-TEST-0154 PMT-TEST-0155 |
| As a user, I want to be able to pass in the name of originating R script and output latex file and add those annotations at the bottom of the table. | PMT-TEST-0156 |
| As a user, I want to be able to render table column names in bold font if I so choose. | PMT-TEST-0204 |
| As a user, I want to be able to (completely) replace input data frame column names with a new set of names. | PMT-TEST-0203 |
| As a user, I want to be able to create a table summarizing continuous covariates in long or wide format. | PMT-TEST-0038 PMT-TEST-0039 PMT-TEST-0040 PMT-TEST-0041 PMT-TEST-0042 |
| As a user, I want to be able to create a categorical covariate summary table in either wide or long format. | PMT-TEST-0065 PMT-TEST-0066 PMT-TEST-0067 PMT-TEST-0068 PMT-TEST-0073 PMT-TEST-0075 PMT-TEST-0109 PMT-TEST-0110 |
| As a user, I want to be able to summarize a data set and create a data disposition table summarizing the number of observations, the number of individuals, the number of missing observations, the number of observations below the quantitation limit, the percent of observations that are below the quantitation limit, and the percent of observation in certain subgroups. | PMT-TEST-0026 PMT-TEST-0027 PMT-TEST-0028 PMT-TEST-0119 PMT-TEST-0120 PMT-TEST-0121 PMT-TEST-0122 PMT-TEST-0123 PMT-TEST-0124 PMT-TEST-0125 PMT-TEST-0126 |
| As a user, I want to group table columns with a horizontal line above the table column labels and give a title to the group of columns. | PMT-TEST-0102 PMT-TEST-0189 |
| As a user, I want to be able to encode column groupings in the column names as title.name format; the column groupings will be implemented by stating the separator on which to split the column name. | PMT-TEST-0160 PMT-TEST-0186 |
| As a user, I want to be able to alter the alignment of table columns as left, center, right with the column width determined by latex or as a fixed size. | PMT-TEST-0001 PMT-TEST-0097 |
| As a user, I want to be able to increase or decrease the amount of padding between cells and / or columns in the table. | PMT-TEST-0104 PMT-TEST-0105 PMT-TEST-0106 |
| As a user, I want to pass in a named list of units corresponding to table column names and print the unit below the column name. | PMT-TEST-0101 PMT-TEST-0107 PMT-TEST-0108 PMT-TEST-0206 |
| As a user, I want to be able to replace repeating values with whitespace in a column. | PMT-TEST-0010 PMT-TEST-0011 PMT-TEST-0012 |
| As a user, I want to be able to write math expressions in latex in the table. | PMT-TEST-0177 PMT-TEST-0179 |
| As a user, I want to render a data frame in tabular environment within threeparttable. | PMT-TEST-0085 |
| As a user, I want to be able to have a column name appear in the latex table that is different than the column name in the data frame. | PMT-TEST-0201 PMT-TEST-0202 |
| As a user, I want to be able to specify the caption for long tables as either text passed to the stable\_long call or as a latex macro name. | PMT-TEST-0135 PMT-TEST-0137 |
| As a user, I want to be able to break the table column labels into multiple rows. | PMT-TEST-0207 |
| As a user, I want to be able to optionally drop columns from the data frame so that they do not appear in the latex output. | PMT-TEST-0208 |
| As a user, I want to have the total number of subjects in a column in the pt\_cat\_wide table | PMT-TEST-0076 |
| As a user, I want to have an all-data summary at the bottom of pt\_cat\_long | PMT-TEST-0034 PMT-TEST-0036 PMT-TEST-0074 |
| As a user, I want to be able to create long table from pmtable object. | PMT-TEST-0167 |
| As a user, I want to be able to make a continuous covariate summary in long format, where the covariate summaries are paneled by the covariate name, rather than the paneling variable name | PMT-TEST-0018 PMT-TEST-0239 |
| As a user, I want tab\_panel to succeed even if prefix\_skip or skip is not a valid regular expression | PMT-TEST-0243 |
| As a user, I want to be able to control row and column spacing in longtable and tabular with the same parameters. | PMT-TEST-0138 PMT-TEST-0185 |
| As a user, I want longtable output object to retain output file name as an attribute. | PMT-TEST-0139 |
| As a user, I want to see either N or n in table output | PMT-TEST-0024 PMT-TEST-0079 PMT-TEST-0080 PMT-TEST-0109 PMT-TEST-0110 |
| As a user, I want to be able to get the notes for a data summary table using an R function call. | PMT-TEST-0022 PMT-TEST-0023 PMT-TEST-0077 PMT-TEST-0078 PMT-TEST-0127 |
| As a user, I want to be able to pass extra table labels to be included in the header as a data frame | PMT-TEST-0210 |
| As a user, I want the table printed only once when calling as\_stable with wrapw = TRUE | PMT-TEST-0002 |
| As a user, I want to be able to preview a table in a pdf document in landscape mode. | PMT-TEST-0169 |
| As a user, I want to be able to specify both a short and long caption for long table | PMT-TEST-0136 |
| As a user, I want to be able to summarize continuous data items and have a result even if all values are missing. | PMT-TEST-0025 |
| As a user, I want to call st\_hline multiple times in a pipeline and accumulate hline indices | PMT-TEST-0118 |
| As a user, I want to place a horizontal line across a table by specifying a pattern and a column name to in which to look | PMT-TEST-0116 |
| As a user, I want to move the hline resulting from st\_hline / pattern or st\_hline / at up or back by a specified number of rows | PMT-TEST-0117 |
| As a user, I would like to have column name sanitized prior to adding bold styling | PMT-TEST-0205 |
| As a user, I want to be able to break span titles over multiple lines | PMT-TEST-0190 |
| As a user, I want to be able to include all required latex packages when knitting a document that includes pmtables output | PMT-TEST-0170 PMT-TEST-0171 |
| As a user, I want to write table data into a yaml file and have pmtables read and create a data frame based on column number rather than name | PMT-TEST-0246 PMT-TEST-0247 PMT-TEST-0248 |
| As a user, I want column spanners to appear in long tables | PMT-TEST-0140 PMT-TEST-0141 PMT-TEST-0142 |
| As a user, I want pmtables to tell me when there is missing values in categorical covariate columns when creating categorical pmtable and replace with character NA. | PMT-TEST-0082 |
| As a user, I want to be able to specify column spanners via both span\_split and span and have span\_split not clobber column names before calculating columns under span | PMT-TEST-0191 |
| As a user, I want to specify span\_split via st\_span() | PMT-TEST-0192 |
| As a user, I want to be able to use stable\_long() to render as long table objects with class pmtable and stobject | PMT-TEST-0143 PMT-TEST-0144 |
| As a user, I want pmtables to return invisible output after previewing a table or saving it to file. | PMT-TEST-0237 |
| As a user, I want pt\_data\_inventory to drop the Missing Observation summary when I pass drop\_miss = TRUE | PMT-TEST-0128 |
| As a user, I pmtables to generate a table summarizing both continuous and categorical covariates. | PMT-TEST-0043 PMT-TEST-0044 PMT-TEST-0045 PMT-TEST-0046 PMT-TEST-0047 PMT-TEST-0048 PMT-TEST-0049 PMT-TEST-0050 PMT-TEST-0051 PMT-TEST-0052 PMT-TEST-0053 PMT-TEST-0054 PMT-TEST-0055 PMT-TEST-0056 PMT-TEST-0057 |
| As a user, I want to pass a list of rename information to pmtables in order to rename columns. | PMT-TEST-0226 |
| As a user, I want stable\_save to save out a list of stable objects | PMT-TEST-0238 |
| As a user, I want to be able to pipe a list of tables to st2report as well as passing them via dots | PMT-TEST-0173 |
| As a user, I want pmtables to name the correct argument to use to over ride an error generated when duplicate panels are used | PMT-TEST-0158 |
| As a user, I want to used renamed cols argument or pass a table list to pt\_cont\_wide | PMT-TEST-0020 PMT-TEST-0021 PMT-TEST-0083 PMT-TEST-0084 |
| As a user, I want to be able to convert pmtable output to long table and pass along arguments to stable\_long | PMT-TEST-0003 PMT-TEST-0004 PMT-TEST-0005 PMT-TEST-0006 |
| As a user, I want to control the base font size for longtable | PMT-TEST-0145 |
| As a user, I want to receive an error message when the wrong type of object is passed to st\_asis() | PMT-TEST-0175 |
| As a user, I would like to be able to completely suppress column names from appearing in the table. | PMT-TEST-0211 PMT-TEST-0212 PMT-TEST-0213 PMT-TEST-0214 |
| As a user, I want the option to omit the hline in the panel | PMT-TEST-0164 |
| As a user, I want pt\_data\_inventory to use number of total non-missing observations in denominator for percent bql calculation. | PMT-TEST-0129 PMT-TEST-0130 PMT-TEST-0131 PMT-TEST-0132 |
| As a user, I want to be able to take the span title from the left or right split when using colsplit() | PMT-TEST-0187 |
| As a user, I want pmtables to escape names in the list of tables to render with st2report | PMT-TEST-0176 |
| As a user, I want to be able to add small indent to the first column when panel is used. | PMT-TEST-0166 |
| As a user, I want pmtables to keep panel title rows together with the subsequent row. | PMT-TEST-0165 |
| As a user, I want pt\_data\_inventory to change my colname/footer description for BLQ if I use bq\_col = "BLQ" | PMT-TEST-0133 |
| As a user, I want to justify span titles to the left, right or center. | PMT-TEST-0193 PMT-TEST-0194 PMT-TEST-0195 |