



Tplyr Validation Report

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2020-09-24

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Validation Files Information

Specifications

Specification Name	Last updated by	Last updated date
specification.Rmd	Nathan Kosiba	2020-09-24

Test case

Test Case Name	Last updated by	Last updated date
test_cases.Rmd	Nathan Kosiba	2020-09-24

Test code

Test Code Name	Last updated by	Last updated date
test_cases.R	Nathan Kosiba	2020-09-24

Validation Results

Specifications

- A: Population data can be specified by the user
- B: Treatment variable can be manually specified for population data
- C: Population data subset can be specified on user specified conditions
- D: Header N counts will be specified by combining different subgroups available within the population data
- E: Manual groups can be specified by combining different subgroups
- F: Analysis data can be specified by the user
- G: Analysis data subset can be specified on user specified conditions
- H: Treatment variable can be manually specified for analysis data
- I: n counts of values within a variable can be produced
- J: n counts of values within a group of variables can be produced
- K: Total n counts can be added
- L: Missing n count handling can be specified including presentation and denominator handling
- M: Dummy values can be specified for categories that need to be presented but may not exist within the data
- N: Counts can be produced as n (%)
- O: When producing n (%), the denominator can be specified using the analysis data
- P: When producing n (%), the denominator can be specified using a particular manually specified subset
- Q: When producing n (%), the denominator can be specified using the population data
- R: When producing n (%), the denominator can be specified using grouping of variables
- S: Risk difference including confidence interval can be produced based on specified treatment groupings
- T: Risk difference arguments can be passed forward into prop.test using args parameter

- U: Risk difference can be calculated over user specified cols arguments
- V: Risk difference can be calculated over nested count layers and by variables
- W: The descriptive statistic of n can be produced based on an input variable
- X: The descriptive statistic of mean can be produced based on an input variable
- Y: The descriptive statistic of median can be produced based on an input variable
- Z: The descriptive statistic of IQR/Q1/Q3 can be produced based on an input variable
- AA: The descriptive statistic of standard deviation can be produced based on an input variable
- AB: The descriptive statistic of variance can be produced based on an input variable
- AC: The descriptive statistic of min can be produced based on an input variable
- AD: The descriptive statistic of max can be produced based on an input variable
- AE: The descriptive statistic of missing can be produced based on an input variable
- AF: Custom descriptive statistics can be produced based on an input variable and a specified formula
- AG: Descriptive statistics can be performed across discrete values within a grouping variable or a group of grouping variables
- AH: Multiple statistics can be presented in one line (i.e. combining Q1, Q3 or Min, Max)
- AI: Decimal precision can be specified by the user
- AJ: Integer length can be specified by the user
- AK: Decimal precision can be dynamically created from analysis data
- AL: Integer length can be dynamically created from analysis data
- AM: Presentation format can be specified by the user including desired non-numeric text
- AN: Strings are built to align per user specification within a display
- AO: Descriptive statistic missing values can be set to a user specified string
- AP: Shift n counts of values using two variables, a 'from' and a 'to' variable, can be produced
- AQ: Shift n counts of values within a variable can be produced
- AR: Shift n counts of values within a group of variables can be produced
- AS: Dummy values for shift counts can be specified for categories that need to be presented but may not exist within the data
- AT: Shift counts can be produced as n (%)
- AU: For shift counts when producing n (%), the denominator can be specified using the analysis data
- AV: For shift counts when producing n (%), the denominator can be specified using a particular manually specified subset
- AW: For shift counts when producing n (%), the denominator can be specified using the population data
- AX: For shift counts when producing n (%), the denominator can be specified using a grouping of variables
- AY: Row labels can be manually specified by the user
- AZ: Row labels can be nested to put a subgroup within a parent group
- BA: Summaries can be stacked on top of one another
- BB: Summaries can be sorted based on manual sorting by presentation specified order
- BC: Summaries can be sorted based on count based sorting (either ascending or descending) by a specified treatment group
- BD: Summaries can be sorted based on alphabetical sorting based on data values
- BE: Summaries can be sorted based on a numeric version of the target variable if available
- BF: Summary by variables will be sorted by a numeric variable if available and then by factor
- BG: Nested layers can be sorted independently using different methods
- BH: Independent layers can be sorted using different methods and stacked using common sorting variables
- BI: Count layer default formats can be set at the table level
- BJ: Descriptive statistics layer default formats can be set at the table level
- BK: Shift layer default formats can be set at the table level
- BLL: Option for count layer default formats can be specified by the user
- BM: Option for descriptive statistics layer default formats can be specified by the user
- BN: Option for shift layer default formats can be specified by the user
- BO: Option for a cap on auto precision can be specified by the user

- BP: Option for custom descriptive statistics can be specified by the user for use in the table
- BQ: Option for setting scipen internal option can be specified by the user
- BR: Option for setting quantile algorithm choice can be specified by the user
- BS: Column headers can be added to the output object
- BT: Row breaks can be added between sections based on grouping variables
- BU: Row labels can be masked in a hierarchical fashion
- BV: A table object is returned in a format that is ready to be cosmetically prepared
- BW: Count layers can process a cols argument and separate population data passed from the table level along with normal count layer processing
- BX: Count layers can process a cols argument, separate population data, and a defined subset passed from the table level along with normal count layer processing

Matrix

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
T1	X	X																								
T2			X																							
T3				X	X																					
T4						X	X																			
T5	X	X				X	X																			
T6								X																		
T7									X																	
T8										X																
T9											X															
T10												X														
T11													X													
T12														X												
T13															X											
T14																X										
T15																	X									
T16																		X								
T17																			X	X						
T18																					X					
T19																						X				
T20																							X	X	X	X
T21																										
T22																										
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T30																										
T31																										
T32																										
T33																										

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
T34																										
T35																										
T36																										
T37																										
T38																										
T39																										
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T61																										

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
T1																										
T2																										

Matrix

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VALIDATION
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(continued)

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
T3																										
T4																										
T5																										
T6																										
T7																										
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T10																										
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T13																										
T14																										
T15																										
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T18																										
T19																										
T20	X	X	X	X	X																					
T21						X																				
T22							X																			
T23								X																		
T24									X	X																
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T32																				X						
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T34																						X				
T35																							X			

Math
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AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX			
T36																								X		
T37																									X	
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																								ADDITIONAL RESULTS		
BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BLL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX			
T1																										
T2																										
T3																										
T4																										

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	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BLL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX
T5																								
T6																								
T7																								
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T36																								
T37																								

Matrix

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VALIDATION RESULTS

(continued)

	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BLL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX
T38																								
T39	X																							
T40		X																						
T41			X																					
T42				X																				
T43					X																			
T44						X																		
T45							X																	
T46								X																
T47									X															
T48										X														
T49											X													
T50																								
T51													X											
T52														X										
T53															X									
T54																X								
T55																	X							
T56																		X						
T57																			X					
T58																				X		X		
T59																						X		
T60																							X	
T61																								X

Matrix

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VALIDATION RESULTS

Test Cases

This section contains details of each test executed. Checks verifying each test are included as sub-bullets of their associated test.

- Setup: *No prerequisites required*
 - T1: Population data can be specified by the user and treatment variable can be specified
 - * T1.1: Verify target dataset in table is the same as specified
 - * T1.2: Verify treatment variable in table is the same as specified
 - T2: Population data subset can be specified on user specified conditions
 - * T2.1: Population data created matches data subset as specified
 - T3: Manual groups can be specified by combining different subgroups and header N counts will be specified from these groups within the population data
 - * T3.1: Population groups can be added by combining existing groups
 - * T3.2: Header N counts of combined groups match the combined total of the groups
 - T4: Analysis data can be specified by the user and treatment variable can be specified for the analysis population
 - * T4.1: Verify analysis dataset in layer is the same as specified when inherited from table
 - * T4.2: Verify treatment variable in layer is the same as specified when inherited from table
 - T5: Population data and treatment variable can be specified independent of analysis data and treatment variable
 - * T5.1: Verify population data can be manually specified if not the same as analysis data
 - * T5.2: Verify analysis data can be manually specified if not the same as population data
 - * T5.3: Verify population treatment variable can be manually specified if not the same as analysis treatment variable
 - * T5.4: Verify analysis treatment variable can be manually specified if not the same as population treatment variable
 - T6: Analysis data subset can be specified on user specified conditions
 - * T6.1: Analysis data created matches data subset as specified
 - T7: n counts of values within a variable can be produced
 - * T7.1: Complete data value n counts can be produced within a variable
 - * T7.2: Distinct data value n counts can be produced within a variable
 - T8: n counts of values within a group of variables can be produced
 - * T8.1: Complete data value n counts can be produced within a group of variables
 - * T8.2: Distinct data value n counts can be produced within a group of variables
 - T9: Total n counts can be added
 - * T9.1: Total n count can be added within a layer
 - T10: Missing n count handling can be specified including presentation and denominator handling
 - * T10.1: Missing n count rows can be added within a layer
 - * T10.2: Missing values can be excluded from the layer denominator
 - T11: Dummy values can be specified for categories that need to be presented but may not exist within the data and missing values can be set to a user specified string
 - * T11.1: Values specified by user are presented in the output table
 - * T11.2: Missing values can be set to a user specified string
 - T12: Counts can be produced as n (%)
 - * T12.1: When specified, both n and % can be displayed in a n (%) fashion
 - * T12.2: Distinct n and % can be displayed in a n (%) fashion
 - * T12.3: Distinct and non-distinct n and % can be presented together
 - T13: When producing n (%), the denominator can be specified using the analysis data
 - * T13.1: Check denominators created match counts from analysis data
 - * T13.2: Check % produced use denominators matching counts from analysis data
 - T14: When producing n (%), the denominator can be specified using a particular manually specified subset
 - * T14.1: Check denominators created match counts using specified conditions

- * T14.2: Check % produced use denominators matching counts using specified conditions
- T15: When producing n (%), the denominator can be specified using the population data
 - * T15.1: Check % produced use denominators matching counts from population data
 - * T15.2: Check denominators created match counts from population data
- T16: For shift counts when producing n (%), the denominator can be specified using a grouping of variables
 - * T16.1: Check % produced use denominators matching counts from grouping variables
- T17: Risk difference including confidence interval can be produced based on specified treatment groupings and arguments can be passed through to prop.test
 - * T17.1: Check that risk difference calculated between groupings is correct
 - * T17.2: Check that confidence interval calculated between groupings is correct
 - * T17.3: Arguments passed through to prop.test create the correct output
- T18: Risk difference can be calculated over user specified cols arguments
 - * T18.1: Risk difference estimate and confidence interval can be computed across values of the treatment variable and cols argument
- T19: Risk difference can be calculated over nested count layers and by variables
 - * T19.1: Risk difference estimate and confidence interval can be computed across values of the treatment variable and nested count layer
 - * T19.2: Risk difference estimate and confidence interval can be computed across values of the treatment variable and by variable
 - * T19.3: Risk difference estimate and confidence interval can be computed across values of the treatment variable, nested count layer and by variable
- T20: The descriptive statistics of n, mean, median, IQR, Q1, Q3, standard deviation, variance, min, max, and missing can be produced based on an input variable
 - * T20.1: Check the computed statistic of n matches the expected value
 - * T20.2: Check the computed statistic of mean matches the expected value
 - * T20.3: Check the computed statistic of median matches the expected value
 - * T20.4: Check the computed statistic of IQR matches the expected value
 - * T20.5: Check the computed statistic of Q1 matches the expected value
 - * T20.6: Check the computed statistic of Q3 matches the expected value
 - * T20.7: Check the computed statistic of standard deviation matches the expected value
 - * T20.8: Check the computed statistic of variance matches the expected value
 - * T20.9: Check the computed statistic of min matches the expected value
 - * T20.10: Check the computed statistic of max matches the expected value
 - * T20.11: Check the computed statistic of missing matches the expected value
- T21: Custom descriptive statistics can be produced based on an input variable and a specified formula
 - * T21.1: Check that the computed statistic value matches the value from the specified formula
- T22: Descriptive statistics can be performed across discrete values within a grouping variable or a group of grouping variables
 - * T22.1: Check the statistic values match the values from the specified grouping variable
- T23: Multiple statistics can be presented in one line
 - * T23.1: Check that the output can include multiple statistics on the same line
- T24: Decimal precision and integer length can be specified by the user
 - * T24.1: The output decimal precision and integer length is the same as the user specified values
- T25: Decimal precision and integer length can be dynamically created from analysis data
 - * T25.1: The output decimal precision and integer length is the same as the decimal precision and integer length from the target data variable
- T26: Presentation format can be specified by the user including desired non-numeric text and align per user specification
 - * T26.1: The output string is formatted the same as user specification including non-numeric text and alignment
- T27: Descriptive statistic missing values can be set to a user specified string
 - * T27.1: Missing values can be set to a user specified string

- T28: Shift n counts of values using two variables, a ‘from’ and a ‘to’ variable, can be produced
 - * T28.1: n counts can be created in a shift manner using a from and to variable
- T29: Shift n counts of values within a variable can be produced
 - * T29.1: n counts can be created in a shift manner using a from and to variable and a by variable
- T30: Shift n counts of values within a group of variables can be produced
 - * T30.1: n counts can be created in a shift manner using a from and to variable and multiple by variables
- T31: Dummy values for shift counts can be specified for categories that need to be presented but may not exist within the data
 - * T31.1: Values specified by user for the shift variables are presented in the output table
- T32: Shift counts can be produced as n (%)
 - * T32.1: When specified, both n and % can be displayed in a n (%) fashion for shift layer
- T33: For shift counts when producing n (%), the denominator can be specified using the analysis data
 - * T33.1: Check % produced use denominators matching counts from analysis data
- T34: For shift counts when producing n (%), the denominator can be specified using a particular manually specified subset
 - * T34.1: Check % produced use denominators matching counts using specified conditions
- T35: For shift counts when producing n (%), the denominator can be specified using the population data
 - * T35.1: Check % produced use denominators matching counts from population data
- T36: For shift counts when producing n (%), the denominator can be specified using a grouping of variables
 - * T36.1: Check % produced use denominators matching counts from grouping variables
- T37: Row labels can be manually specified by the user
 - * T37.1: Check row labels in output table match user specified values
- T38: Row labels can be nested to put a subgroup within a parent group
 - * T38.1: Check row labels and nesting in output table match user specified values and nesting
- T39: Summaries can be stacked on top of one another
 - * T39.1: Check multiple summaries mixed between descriptive statistics and count are created they can be stacked
- T40: Summaries can be sorted based on manual sorting by presentation specified order
 - * T40.1: Check that output table has correct count sorting variables matching specified order
- T41: Summaries can be sorted based on count based sorting (either ascending or descending) by a specified treatment group
 - * T41.1: Check that output table has correct count sorting variables for count based sorting
- T42: Summaries can be sorted based on alphabetical sorting based on data values
 - * T42.1: Check that output table has correct count sorting variables for data values
- T43: Summaries can be sorted based on a numeric version of the target variable if available
 - * T43.1: Check that output table has correct count sorting variables for the corresponding numeric variable
- T44: Summary by variables will be sorted by a numeric variable if available and then by factor
 - * T44.1: Check that output table has correct sorting variables for supplied by variables
- T45: Nested layers can be sorted independently using different methods
 - * T45.1: Check that when different methods are supplied for nested layers they are applied correctly
- T46: Independent layers can be sorted using different methods and stacked using common sorting variables
 - * T46.1: Check that when different methods are supplied for independent layers they are applied correctly
- T47: Count layer default formats can be set at the table level
 - * T47.1: Check that count layer formats set at the table level are applied to layers created
 - * T47.2: Check that count layer formats applied at the layer level take precedence over table

- level formats
- T48: Descriptive statistics layer default formats can be set at the table level
 - * T48.1: Check that descriptive statistics layer formats set at the table level are applied to layers created
 - * T48.2: Check that descriptive statistics layer formats applied at the layer level take precedence over table level formats
- T49: Shift layer default formats can be set at the table level
 - * T49.1: Check that shift layer formats set at the table level are applied to layers created
 - * T49.2: Check that shift layer formats applied at the layer level take precedence over table level formats
- T50: Option for count layer default formats can be specified by the user
 - * T50.1: Check that the count layer default formats specified in the option are displayed in the table
- T51: Option for descriptive statistics layer default formats can be specified by the user
 - * T51.1: Check that the descriptive statistics layer default formats specified in the option are displayed in the table
- T52: Option for shift layer default formats can be specified by the user
 - * T52.1: Check that the shift layer default formats specified in the option are displayed in the table
- T53: Option for a cap on auto precision can be specified by the user
 - * T53.1: Check that the cap on auto precision specified by the user is displayed correctly in the table for both integers and decimals
- T54: Option for custom descriptive statistics can be specified by the user for use in the table
 - * T54.1: Check that custom descriptive statistics set in the options can be used and displayed correctly in the table
- T55: Option for setting scipen internal option can be specified by the user
 - * T55.1: Check that scientific notation supplied is displayed correctly in the table
- T56: Option for setting quantile algorithm choice can be specified by the user
 - * T56.1: Check that the quantile algorithm supplied is used in table q1 and q3 calculation
- T57: Column headers can be added to the output object
 - * T57.1: Check that column headers added match those in the output object
- T58: Row breaks can be added between sections based on grouping variables and row labels can be masked in a hierarchical fashion
 - * T58.1: Check that a row break is added between each section based on the supplied grouping variables and row labels can be masked in a hierarchical fashion
- T59: A table object is returned in a format that is ready to be cosmetically prepared
 - * T59.1: Check that the table object can be easily cosmetically prepared
- T60: Count layers can process a cols argument and separate population data passed from the table level along with normal count layer processing
 - * T60.1: Test that n and % results are accurate when the combination of the cols argument and separate population data
 - * T60.2: Test that risk difference results are accurate when the combination of the cols argument and separate population data
- T61: Count layers can process a cols argument, separate population data, and a defined subset passed from the table level along with normal count layer processing
 - * T61.1: Test that n and % results are accurate when the combination of the cols argument, separate population data, and a defined subset are applied
 - * T61.2: Test that risk difference results are accurate when the combination of the cols argument, separate population data, and a defined subset are applied

Test Cases Results

[1] “/home/nathan.kosiba/Tplyr/uat/references/output”

Check	Results
T1.1	T1.1 not equal to Tplyr::pop_data(test_1). Attributes: < Names: 1 string mismatch > Attributes: < Length mismatch >
T1.2	As expected
T2.1	T2.1 not equal to filter(Tplyr::pop_data(test_2), ~(EFL == "Y")). Attributes: < Names: 1 string mismatch >
T3.1	As expected
T3.2	As expected
T4.1	T4.1 not equal to Tplyr::pop_data(test_4). Attributes: < Names: 1 string mismatch > Attributes: < Length mismatch >
T4.2	As expected
T5.1	T5.1 not equal to Tplyr::pop_data(test_5). Attributes: < Names: 1 string mismatch > Attributes: < Length mismatch >
T5.2	T5.2 not equal to test_5\$target. Attributes: < Length mismatch: comparison on first 2 components >
T5.3	As expected
T5.4	As expected
T6.1	T6.1 not equal to filter(Tplyr::pop_data(test_6), ~TRUE). Attributes: < Names: 1 string mismatch > Attributes: < Length mismatch >
T7.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adae, TRTA == "Placebo") 1. dplyr::group_by(adae, TRTA) 1. plyr::summarise(adae, TRTA)
T8.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adae, TRTA == "Placebo") 1. dplyr::group_by(adae, TRTA) 1. plyr::summarise(adae, TRTA)
T9.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. testthat::expect_equal(...) ~Tplyruattest_cases.R:387:2
T10.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adsl, DCSREAS != "") 1. dplyr::group_by(adsl, DCSREAS) 1. plyr::summarise(adsl, DCSREAS)
T11.1	As expected
T12.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adae) 1. dplyr::group_by(adae, TRTA) 9. plyr::summarise(adae, TRTA)
T13.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::group_by(adsl, TRT01P) 8. plyr::summarise(adsl, TRT01P)
T14.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adsl, SEX == "F") 1. dplyr::group_by(adsl, SEX) 1. plyr::summarise(adsl, SEX)
T15.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::group_by(adsl, TRT01P) 9. plyr::summarise(adsl, TRT01P)
T16.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::group_by(adsl, TRT01P, SEX) 8. plyr::summarise(adsl, TRT01P, SEX)
T17.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. plyr::summarise(...) ~Tplyruattest_cases.R:817:2 2. [base::write.csv(...)]
T18.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. plyr::summarise(...) ~Tplyruattest_cases.R:879:2 2. [base::write.csv(...)]
T19.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. plyr::summarise(filter(adae, TRTA == "Placebo"), n = 1)
T20.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. testthat::expect_equal(...) ~Tplyruattest_cases.R:1058:2
T21.1	As expected
T22.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. tidyr::pivot_longer(...) ~Tplyruattest_cases.R:1188:2 8. plyr::summarise(...)
T23.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. base::paste(...) ~Tplyruattest_cases.R:1247:2 2. plyr::summarise(...)
T24.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. base::paste(...) ~Tplyruattest_cases.R:1302:2 2. plyr::summarise(...)
T25.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. base::unique(t25_dat[, c("PARAMCD", "intlen", "declen")])
T26.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. base::paste0(...) ~Tplyruattest_cases.R:1456:2 2. plyr::summarise(...)
T27.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::group_by(adsl, TRT01P, RACE_FACTOR) 8. plyr::summarise(adsl, TRT01P, RACE_FACTOR)
T28.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(...) 1. dplyr::group_by(adae, TRTA, ANRIND) 1. plyr::summarise(adae, TRTA, ANRIND)
T29.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(...) 1. dplyr::group_by(adae, TRTA, SEX, ANRIND) 1. plyr::summarise(adae, TRTA, SEX, ANRIND)
T30.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(...) 1. dplyr::group_by(adae, TRTA, RACE, SEX, ANRIND) 1. plyr::summarise(adae, TRTA, RACE, SEX, ANRIND)
T31.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(...) 1. dplyr::group_by(adae, TRTA, ANRIND) 1. plyr::summarise(adae, TRTA, ANRIND)
T32.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(...) 1. dplyr::group_by(adae, TRTA, BNRIND) 1. plyr::summarise(adae, TRTA, BNRIND)
T33.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adlb) 1. dplyr::group_by(adae, TRTA) 9. plyr::summarise(adae, TRTA)
T34.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(...) 1. dplyr::group_by(adae, TRTA) 9. plyr::summarise(adae, TRTA)
T35.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adlb, PARAMCD == "BILI" & AVISIT == 1) 1. dplyr::group_by(adlb, PARAMCD, AVISIT) 1. plyr::summarise(adlb, PARAMCD, AVISIT)
T36.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adlb) 1. dplyr::group_by(adae, TRTA, PARAMCD) 1. plyr::summarise(adae, TRTA, PARAMCD)
T37.1	As expected
T38.1	As expected
T39.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adsl, TRT01P == "Placebo") 1. dplyr::group_by(adsl, TRT01P) 1. plyr::summarise(adsl, TRT01P)
T40.1	T40.1 not equal to c(test_40\$row_label1, test_40\$ord_layer_1). names for current but not for target
T41.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::group_by(adsl, TRT01P, RACE) 8. plyr::summarise(adsl, TRT01P, RACE)
T42.1	As expected
T43.1	T43.1 not equal to c(test_43\$row_label1, test_43\$ord_layer_1). names for current but not for target
T44.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::group_by(adsl, TRT01P, RACE, ETHNIC) 8. plyr::summarise(adsl, TRT01P, RACE, ETHNIC)
T45.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::group_by(adae, TRTA, AEBODSYS) 8. plyr::summarise(adae, TRTA, AEBODSYS)

(continued)

Check	Results
T46.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adsl, TRT01P == "Xanomeline High Dose")
T47.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::group_by(adsl, TRT01P) 9. plyr::summarise(., t
T48.1	Can't subset columns that don't exist. x Column 'TRT01P' doesn't exist. Backtrace: 1. dplyr::group_by(adsl, T
T49.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(...) 1. dplyr::group_by(., TRTA, BNRIND)
T50.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::group_by(adsl, TRT01P) 9. plyr::summarise(., t
T51.1	Can't subset columns that don't exist. x Column 'TRT01P' doesn't exist. Backtrace: 1. dplyr::group_by(adsl, T
T52.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(...) 1. dplyr::group_by(., TRTA, BNRIND)
T53.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::filter(adlb, PARAMCD == "BUN") 1. dplyr::gro
T54.1	Can't subset columns that don't exist. x Column 'TRT01P' doesn't exist. Backtrace: 1. dplyr::group_by(adsl, T
T55.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. plyr::summarise(...) ~Tplyruattest_cases.R:3180:2 2. [h
T56.1	Can't subset columns that don't exist. x Column 'TRT01P' doesn't exist. Backtrace: 1. dplyr::group_by(adsl, T
T57.1	As expected
T58.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. dplyr::group_by(adae, TRTA, AEBODSYS) 8. plyr::su
T59.1	As expected
T60.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. base::rbind(...) 1. dplyr::distinct(., TRT01P, SEX, USU
T61.1	'n()' must only be used inside dplyr verbs. Backtrace: 1. base::rbind(...) 1. dplyr::filter(., RACE == "WHITE")

System Information

R version 3.6.2 (2019-12-12) Platform: x86_64-pc-linux-gnu (64-bit) Running under: Ubuntu 18.04.4 LTS

Matrix products: default BLAS: /usr/lib/x86_64-linux-gnu/openblas/libblas.so.3 LAPACK: /usr/lib/x86_64-linux-gnu/libopenblas-p0.2.20.so

locale: [1] LC_CTYPE=C.UTF-8 LC_NUMERIC=C LC_TIME=C.UTF-8 LC_COLLATE=C.UTF-8 LC_MONETARY=C.UTF-8

[6] LC_MESSAGES=C.UTF-8 LC_PAPER=C.UTF-8 LC_NAME=C LC_ADDRESS=C LC_TELEPHONE=C [11] LC_MEASUREMENT=C.UTF-8 LC_IDENTIFICATION=C

attached base packages: [1] stats graphics grDevices utils datasets methods base

other attached packages: [1] rlang_0.4.7 kableExtra_1.2.1 knitr_1.28 plyr_1.8.5 shinydashboard_0.7.1 [6] testthat_2.3.1 forcats_0.4.0 stringr_1.4.0 dplyr_1.0.2 purrr_0.3.4 [11] readr_1.3.1 tidyr_1.0.2 tibble_3.0.1 ggplot2_3.2.1 tidyverse_1.3.0 [16] Tplyr_0.1.1 shiny_1.5.0

loaded via a namespace (and not attached): [1] Repp_1.0.3 lubridate_1.7.4 lattice_0.20-38 clisymbols_1.2.0 assertthat_0.2.1 digest_0.6.25

[7] packrat_0.5.0 prompt_1.0.0 mime_0.9 R6_2.4.1 cellranger_1.1.0 backports_1.1.5

[13] reprex_0.3.0 evaluate_0.14 httr_1.4.1 pillar_1.4.4 lazyeval_0.2.2 readxl_1.3.1

[19] rstudioapi_0.11 rmarkdown_2.1 webshot_0.5.2 munsell_0.5.0 broom_0.5.4 xfun_0.12

[25] compiler_3.6.2 httpuv_1.5.2 modelr_0.1.5 pkgconfig_2.0.3 htmltools_0.5.0 tidyselct_1.1.0 [31] viridis-Lite_0.3.0 fansi_0.4.1 crayon_1.3.4 dbplyr_1.4.2 withr_2.1.2 later_1.0.0

[37] grid_3.6.2 nlme_3.1-142 jsonlite_1.6.1 xtable_1.8-4 gtable_0.3.0 lifecycle_0.2.0

[43] DBI_1.1.0 magrittr_1.5 scales_1.1.0 cli_2.0.2 stringi_1.4.5 fs_1.3.1

[49] promises_1.1.0 xml2_1.3.2 ellipsis_0.3.1 generics_0.0.2 vctrs_0.3.4 tools_3.6.2

[55] glue_1.4.1 hms_0.5.3 yaml_2.2.1 rsconnect_0.8.16 fastmap_1.0.1 colorspace_1.4-1 [61] rvest_0.3.5 haven_2.2.0

Manual Check Completion History

Check	Output File Reviewed	Response	Log
T59.1	test_59.rtf	TRUE	nathan.kosiba:2020-09-24 18:45:07