

Package: reskit (via r-universe)

September 25, 2026

Title Nice selection box of goodies for hobnobbing with NHP model results

Version 1.2.0

Description 'Wafer' goodbye to crumbly code, and dunk a sturdy reskit function in your data cuppa instead. We've clustered the cream of our results code here - it's a cracker!

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Remotes The-Strategy-Unit/azkit

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Contents

add_change_cols	2
compile_detailed_activity_data	3

compile_distribution_plot_data	4
compile_distribution_summary_data	5
compile_grouped_impact_data	5
compile_principal_los_data	6
compile_principal_pod_data	7
compile_tpma_impact_data	8
export_detailed_activity_data	9
export_distribution_summary_data	10
export_impact_data	10
export_principal_los_data	11
export_principal_pod_data	12
get_detailed_pods	12
get_tpma_label_lookup	13
get_tretspef_lookup	13
make_beeswarm_distrib_plot	14
make_cumulative_distrib_plot	14
make_detailed_activity_table	15
make_distribution_summary_table	15
make_grouped_impact_plot	16
make_principal_los_table	16
make_principal_pod_table	17
make_tpma_impact_plot	17
read_results_parquet_files	18
shim_results	18

Index	20
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add_change_cols	<i>Add change and change_pct columns to a prepared results table</i>
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Description

Add change and change_pct columns to a prepared results table

Usage

```
add_change_cols(tbl)
```

Arguments

tbl	A tibble of appropriately prepared results
-----	--

Value

A tibble

```
compile_detailed_activity_data
```

Prepare data from the sex+age_group or sex+tretspef_grouped table

Description

Prepare data from the sex+age_group or sex+tretspef_grouped table

Usage

```
compile_detailed_activity_data(
  results,
  measure,
  pod_lookup = get_detailed_pods(),
  tretspef_lookup = get_tretspef_lookup(),
  activity_type = c("ip", "op", "aae"),
  aggregation = c("age_group", "tretspef_grouped"),
  pods = NULL,
  sites = NULL
)
```

Arguments

results	A named list containing NHP results tables
measure	The measure to focus on for the output table. Valid values depend on which activity_type is selected
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
tretspef_lookup	A tibble, or a function that returns a tibble, containing a code column (used as a key for joining to the tretspef table) and a tretspef column that provides friendly labels for specialties
activity_type	string. One of "ip", "op", "aae". "ip" is the default.
aggregation	string. One of "age_group" or "tretspef_grouped"
pods	character vector. PoD labels to filter data to. The default value of NULL means no PoDs will be filtered out
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data

 compile_distribution_plot_data

Compile data to support the "activity distribution summary" tables

Description

Compile data to support the "activity distribution summary" tables

Usage

```
compile_distribution_plot_data(
  results,
  measure,
  activity_type = c("ip", "op", "aae"),
  pods = NULL,
  pod_lookup = get_detailed_pods(),
  sites = NULL
)
```

Arguments

results	A named list containing NHP results tables
measure	The measure to focus on for the output table. Valid values depend on which activity_type is selected
activity_type	string. One of "ip", "op", "aae". "ip" is the default.
pods	character vector. PoD labels to filter data to. The default value of NULL means no PoDs will be filtered out
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data

Value

A tibble

`compile_distribution_summary_data`*Compile data to support the "activity distribution summary" tables*

Description

Compile data to support the "activity distribution summary" tables

Usage

```
compile_distribution_summary_data(  
  results,  
  value_type = c("median", "principal"),  
  pod_lookup = get_detailed_pods(),  
  sites = NULL  
)
```

Arguments

<code>results</code>	A named list containing NHP results tables
<code>value_type</code>	string Either "median" or "principal"
<code>pod_lookup</code>	A tibble, or a function that returns a tibble, containing columns named <code>activity_type_label</code> , <code>pod</code> and <code>pod_label</code> . This provides friendly labels for POD variables in the data. <code>pod</code> is the key column used for joining to data tables.
<code>sites</code>	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data

Value

A tibble

`compile_grouped_impact_data`*Prepare data from the step_counts table to use for waterfall chart*

Description

Prepare data from the `step_counts` table to use for waterfall chart

Usage

```
compile_grouped_impact_data(
  results,
  measure,
  activity_type = c("ip", "op", "aae"),
  pods = NULL,
  sites = NULL,
  pod_lookup = get_detailed_pods(),
  tpma_lookup = get_tpma_label_lookup(),
  include_baseline = TRUE
)
```

Arguments

results	A named list containing NHP results tables
measure	The measure to focus on for the output table. Valid values depend on which activity_type is selected
activity_type	string. One of "ip", "op", "aae". "ip" is the default.
pods	character vector. PoD labels to filter data to. The default value of NULL means no PoDs will be filtered out
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
tpma_lookup	A tibble, or a function that returns a tibble, containing a column named strategy (used as a key for joining to the step_counts table) and a column named tpma_label that provides friendly labels for all TPMAs/strategies
include_baseline	Boolean. Whether to include baseline data

Value

A prepared tibble of step count changes for each included TPMA

compile_principal_los_data

Prepare data from tretspef+los_group results for displaying as summary table

Description

Prepare data from tretspef+los_group results for displaying as summary table

Usage

```
compile_principal_loos_data(
  results,
  measure,
  pod_lookup = get_principal_pods(),
  sites = NULL
)
```

Arguments

results	A named list containing NHP results tables
measure	Either "admissions" or "beddays". The measure to focus on for the output table
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data

Value

A filtered and sorted tibble of principal projections of results, by point of delivery and grouped length of stay

compile_principal_pod_data

Prepare data from default results table for displaying as summary table

Description

Prepare data from default results table for displaying as summary table

Usage

```
compile_principal_pod_data(
  results,
  pod_lookup = get_principal_pods(),
  sites = NULL
)
```

Arguments

results	A named list containing NHP results tables
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data

Value

A filtered and sorted tibble of principal projections of results, by activity type and point of delivery (PoD)

compile_tpma_impact_data

Prepare data from step_counts table to use for TPMA impact chart

Description

Prepare data from step_counts table to use for TPMA impact chart

Usage

```
compile_tpma_impact_data(
  results,
  measure,
  activity_type = c("ip", "op", "aae"),
  pods = NULL,
  sites = NULL,
  pod_lookup = get_detailed_pods(),
  tpma_lookup = get_tpma_label_lookup(),
  sort_by = c("value", "tpma_label")
)
```

Arguments

results	A named list containing NHP results tables
measure	The measure to focus on for the output table. Valid values depend on which activity_type is selected
activity_type	string. One of "ip", "op", "aae". "ip" is the default.
pods	character vector. PoD labels to filter data to. The default value of NULL means no PoDs will be filtered out
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
tpma_lookup	A tibble, or a function that returns a tibble, containing a column named strategy (used as a key for joining to the step_counts table) and a column named tpma_label that provides friendly labels for all TPMAs/strategies
sort_by	string, one of "value" or "tpma_label". The former sorts the output table by the value of the change, the latter alphabetically by the TPMA label

Value

A prepared tibble of projected negative changes in activity, by TPMA

export_detailed_activity_data

Prepare a site-level summary of detailed activity results by PoD and LoS

Description

Intended to be used to create a table to be exported to .csv/.xlsx

Usage

```
export_detailed_activity_data(
  results,
  pod_lookup = get_detailed_pods(),
  tretspef_lookup = get_tretspef_lookup(),
  aggregation = c("age_group", "tretspef_grouped"),
  sites = NULL
)
```

Arguments

results	A named list containing NHP results tables
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
tretspef_lookup	A tibble, or a function that returns a tibble, containing a code column (used as a key for joining to the tretspef table) and a tretspef column that provides friendly labels for specialties
aggregation	string. One of "age_group" or "tretspef_grouped"
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data

Value

A tibble

 export_distribution_summary_data

Prepare a site-level summary of activity distribution summary data

Description

Intended to be used to create a table to be exported to .csv/.xlsx

Usage

```
export_distribution_summary_data(
  results,
  pod_lookup = get_detailed_pods(),
  sites = NULL
)
```

Arguments

results	A named list containing NHP results tables
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data

Value

A tibble

 export_impact_data

Prepare a site-level summary table of change_factor results

Description

Intended to be used to create a table to be exported to .csv/.xlsx

Usage

```
export_impact_data(
  results,
  sites = NULL,
  pod_lookup = get_detailed_pods(),
  tpma_lookup = get_tpma_label_lookup()
)
```

Arguments

results	A named list containing NHP results tables
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
tpma_lookup	A tibble, or a function that returns a tibble, containing a column named strategy (used as a key for joining to the step_counts table) and a column named tpma_label that provides friendly labels for all TPMAs/strategies

Value

A tibble

export_principal_los_data

Prepare a site-level summary of main projection results by PoD and LoS

Description

Intended to be used to create a table to be exported to .csv/.xlsx

Usage

```
export_principal_los_data(
  results,
  pod_lookup = get_principal_pods(),
  sites = NULL
)
```

Arguments

results	A named list containing NHP results tables
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data

Value

A tibble

 export_principal_pod_data

Prepare a site-level summary of main projection results

Description

Intended to be used to create a table to be exported to .csv/.xlsx

Usage

```
export_principal_pod_data(
  results,
  pod_lookup = get_principal_pods(),
  sites = NULL
)
```

Arguments

results	A named list containing NHP results tables
pod_lookup	A tibble, or a function that returns a tibble, containing columns named activity_type_label, pod and pod_label. This provides friendly labels for POD variables in the data. pod is the key column used for joining to data tables.
sites	Either NULL (the default) or a vector of site codes to filter to. NULL means don't filter; include all sites present in the data

Value

A tibble

 get_detailed_pods

Prepare a lookup table with activity type labels and PoD labels for each PoD

Description

This function condenses all A&E activity to a single category - compare [get_detailed_pods](#) which keeps all A&E categories

Usage

```
get_detailed_pods()

get_principal_pods()
```

Value

A tibble

A tibble

`get_tpma_label_lookup` *Prepare a lookup table for all current TPMAs*

Description

Prepare a lookup table for all current TPMAs

Usage

```
get_tpma_label_lookup()
```

Value

A 4-column tibble, with columns `strategy`, `activity_type`, `change_factor` and `tpma_label`

`get_tretspef_lookup` *Get a lookup of tretspef codes to descriptions*

Description

Get a lookup of tretspef codes to descriptions

Usage

```
get_tretspef_lookup()
```

Value

A 2-column tibble with columns `code` and `tretspef`

`make_beeswarm_distrib_plot`

Generate a "beeswarm" chart showing the distribution of model run values

Description

Generate a "beeswarm" chart showing the distribution of model run values

Usage

```
make_beeswarm_distrib_plot(distrib_plot_data, show_zero = FALSE)
```

Arguments

`distrib_plot_data`

data frame. As produced by [compile_distribution_plot_data](#)

`show_zero`

Boolean. Whether to extend the chart to show a zero value, for context.

`make_cumulative_distrib_plot`

Generate a cumulative distribution function (ecdf) chart of model run values

Description

Generate a cumulative distribution function (ecdf) chart of model run values

Usage

```
make_cumulative_distrib_plot(distrib_plot_data, show_zero = FALSE)
```

Arguments

`distrib_plot_data`

data frame. As produced by [compile_distribution_plot_data](#)

`show_zero`

Boolean. Whether to extend the chart to show a zero value, for context.

`make_detailed_activity_table`*Create a gt table with data from [compile_detailed_activity_data](#)*

Description

Create a gt table with data from [compile_detailed_activity_data](#)

Usage

```
make_detailed_activity_table(detailed_activity_data, final_year)
```

Arguments

`detailed_activity_data`

A suitable tibble

`final_year`

string. The horizon year eg "2042/43"

Value

A gt table

`make_distribution_summary_table`*Create a gt table with data from [compile_distribution_summary_data](#)*

Description

Create a gt table with data from [compile_distribution_summary_data](#)

Usage

```
make_distribution_summary_table(distr_summary_data)
```

Arguments

`distr_summary_data`

A suitable tibble

Value

A gt table

`make_grouped_impact_plot`*Generate overall change factor ("waterfall") chart*

Description

Generate overall change factor ("waterfall") chart

Usage

```
make_grouped_impact_plot(grouped_impact_data)
```

Arguments

`grouped_impact_data`

tibble, as produced by [compile_grouped_impact_data](#)

`make_principal_los_table`*Create a gt table with data from [compile_principal_los_data](#)*

Description

Create a gt table with data from [compile_principal_los_data](#)

Usage

```
make_principal_los_table(principal_los_data)
```

Arguments

`principal_los_data`

A suitable tibble

Value

A gt table

`make_principal_pod_table`*Create a gt table with data from [compile_principal_pod_data](#)*

Description

Create a gt table with data from [compile_principal_pod_data](#)

Usage

```
make_principal_pod_table(principal_pod_data)
```

Arguments

`principal_pod_data`
A suitable tibble

Value

A gt table

`make_tpma_impact_plot` *Generate bar charts by change factor at individual TPMA level*

Description

Generate bar charts by change factor at individual TPMA level

Usage

```
make_tpma_impact_plot(tpma_impact_data)
```

Arguments

`tpma_impact_data`
tibble, as produced by [compile_tpma_impact_data](#)

```
read_results_parquet_files
```

Read a selection of (or all) parquet files in an Azure directory

Description

Read a selection of (or all) parquet files in an Azure directory

Usage

```
read_results_parquet_files(container, path, tables = NULL)
```

Arguments

container	An Azure container.
path	string. Path to an Azure directory of model results data. Potentially pulled from a field in a table of model runs metadata
tables	character vector. NULL, the default, results in all available parquet files in the path folder being read in. If you wish only to read in a subset of the files, specify their names here, without the ".parquet" file extension

Value

A named list of tibbles

Examples

```
## Not run:
data <- azkit::get_container("data_container") |>
  read_results_parquet_files("data/dev/national/test", "acuity")

data_list <- azkit::get_container("data_container") |>
  read_results_parquet_files(path = "files/v4.0/national")

## End(Not run)
```

```
shim_results
```

Wrangle tables from old-style results to match format of new-style results

Description

Wrangle tables from old-style results to match format of new-style results

Usage

```
shim_results(results)
```

shim_results

19

Arguments

results List of old style NHP results tables

Value

List of NHP results tables in the "new" format

Index

`add_change_cols`, [2](#)

`compile_detailed_activity_data`, [3](#), [15](#)
`compile_distribution_plot_data`, [4](#), [14](#)
`compile_distribution_summary_data`, [5](#),
[15](#)
`compile_grouped_impact_data`, [5](#), [16](#)
`compile_principal_los_data`, [6](#), [16](#)
`compile_principal_pod_data`, [7](#), [17](#)
`compile_tpma_impact_data`, [8](#), [17](#)

`export_detailed_activity_data`, [9](#)
`export_distribution_summary_data`, [10](#)
`export_impact_data`, [10](#)
`export_principal_los_data`, [11](#)
`export_principal_pod_data`, [12](#)

`get_detailed_pods`, [12](#), [12](#)
`get_principal_pods (get_detailed_pods)`,
[12](#)
`get_tpma_label_lookup`, [13](#)
`get_tretspef_lookup`, [13](#)

`make_beeswarm_distrib_plot`, [14](#)
`make_cumulative_distrib_plot`, [14](#)
`make_detailed_activity_table`, [15](#)
`make_distribution_summary_table`, [15](#)
`make_grouped_impact_plot`, [16](#)
`make_principal_los_table`, [16](#)
`make_principal_pod_table`, [17](#)
`make_tpma_impact_plot`, [17](#)

`read_results_parquet_files`, [18](#)

`shim_results`, [18](#)