

Package ‘aieconindex’

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Title Access the 'Anthropic Economic Index' Dataset

Version 0.2.0

Description Provides clean, tidy access to the 'Anthropic Economic Index' (AEI) dataset hosted on 'Hugging Face' <<https://huggingface.co/datasets/Anthropic/EconomicIndex>>. The AEI is a recurring release from 'Anthropic' that maps usage of the 'Claude' family of large language models to occupations and tasks using the 'O*NET' taxonomy and the 'Standard Occupational Classification' system, following the methodology of Handa et al. (2025) <[doi:10.48550/arXiv.2503.04761](https://arxiv.org/abs/10.48550/arXiv.2503.04761)> and the privacy-preserving system 'Clio' of Tamkin et al. (2024) <[doi:10.48550/arXiv.2412.13678](https://arxiv.org/abs/10.48550/arXiv.2412.13678)>. Functions list available releases, fetch raw and enriched usage tables, retrieve task statements, request hierarchies, country-level breakdowns, and the standalone labor market impacts tables (job exposure and task penetration), compare two releases, join the index to user-supplied data on a shared key, and compute usage-concentration metrics (Herfindahl-Hirschman Index, top-N concentration ratios, Shannon entropy). Data is cached locally for subsequent calls. Reproducibility helpers produce 'BibTeX' or plain-text citations that include the methodological source paper. This product uses the 'Anthropic Economic Index' data (released under CC-BY by 'Anthropic') but is not endorsed or certified by 'Anthropic'.

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Encoding UTF-8

Language en-US

URL <https://github.com/charlescoverdale/aieconindex>

BugReports <https://github.com/charlescoverdale/aieconindex/issues>

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aei_cache_clear	<i>Clear the aieconindex cache</i>
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Description

Deletes all locally cached AEI files. The next call to any data function will re-download from Hugging Face.

Usage

aei_cache_clear()

Value

Invisible NULL.

See Also

Other configuration: [aei_cache_info\(\)](#)

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
aei_cache_clear()
options(op)
```

aei_cache_dir	<i>Locate the aieconindex cache directory</i>
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Description

Returns the directory used to store downloaded AEI files. Defaults to `tools::R_user_dir("aieconindex", "cache")`. Override by setting `options(aieconindex.cache_dir = "/your/path")`.

Usage

```
aei_cache_dir()
```

Details

During an R CMD check run (including `--run-donttest`) the cache is redirected to a session-temporary directory that R removes on exit, so checks never write to persistent storage.

Value

A character string giving the absolute path.

aei_cache_info	<i>Inspect the local aieconindex cache</i>
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Description

Returns information about the local cache: where it lives, how many files it contains, and how much disk space they take.

Usage

```
aei_cache_info()
```

Value

A list with elements `dir`, `n_files`, `size_bytes`, `size_human`, and `files` (a data frame with `name`, `size_bytes`, and `modified` columns).

See Also

Other configuration: [aei_cache_clear\(\)](#)

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
aei_cache_info()
options(op)
```

aei_cite	<i>Citation strings for the Anthropic Economic Index</i>
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Description

Returns a citation for either the Anthropic Economic Index project as a whole or a specific release, in the requested format. The Anthropic Economic Index data is released under Creative Commons Attribution 4.0 International (CC-BY-4.0); attribution is required when redistributing the data.

Usage

```
aei_cite(
  release = "all",
  format = c("text", "bibtex", "bibentry"),
  method = TRUE
)
```

Arguments

release	A release identifier, or "all" (the default) to cite the project rather than a specific release.
format	One of "text", "bibtex", or "bibentry".
method	Logical. If TRUE (the default), include the methodological source paper (Handa et al. 2025) in the BibTeX or bibentry output. Set to FALSE to return the dataset citation only.

Details

For release = "all" (the default), the citation refers to the methodological source paper: Handa, K. et al. (2025), "Which Economic Tasks are Performed with AI? Evidence from Millions of Claude Conversations" (arXiv:2503.04761). For a specific release, the citation refers to the dataset snapshot at that release on Hugging Face, with the headline model and the Anthropic report PDF included when one is bundled.

Hugging Face datasets do not currently issue DOIs by default; the url field is the stable Hugging Face path. The methodological source paper is on arXiv and has a permanent identifier (arXiv:2503.04761).

Value

A character vector for "text" and "bibtex"; a bibentry object (possibly with multiple entries) for "bibentry".

References

Handa, K., Tamkin, A., McCain, M., Huang, S., Durmus, E., Heck, S., Mueller, J., Hong, J., Ritchie, S., Belonax, T., Troy, K. K., Amodei, D., Kaplan, J., Clark, J., and Ganguli, D. (2025). Which Economic Tasks are Performed with AI? Evidence from Millions of Claude Conversations. arXiv:2503.04761. <https://arxiv.org/abs/2503.04761>

Tamkin, A. et al. (2024). Clio: Privacy-Preserving Insights into Real-World AI Use. arXiv:2412.13678. <https://arxiv.org/abs/2412.13678>

Examples

```
aei_cite()
aei_cite("2026-03-24", format = "bibtex")
aei_cite("2025-09-15", format = "bibentry")
aei_cite(format = "text", method = FALSE)
```

`aei_clusters`*Fetch the request-hierarchy tree for a release*

Description

The Anthropic Economic Index groups Claude requests into a multi-level hierarchy of clusters using the Clio privacy-preserving system. From the 2025-09-15 release onwards each release ships these trees as JSON files. This function fetches the relevant tree as a parsed nested list.

Usage

```
aei_clusters(  
  release = "latest",  
  source = c("claude_ai", "1p_api"),  
  use_cache = TRUE  
)
```

Arguments

<code>release</code>	A release identifier. See aei_files() .
<code>source</code>	Character. Either "claude_ai" or "1p_api".
<code>use_cache</code>	Logical. If TRUE (the default), use the local cache when present.

Details

Clusters are produced by the Clio system (Tamkin et al. 2024), which summarises requests into facets, then groups them into a tree where each level represents a coarser grouping. The JSON returned has one entry per top-level cluster, each with name, optional description, optional count, and a list of children mirroring the same shape. Cluster summaries that fail Clio's privacy checks (low cell counts, identifying information) are dropped before the tree is published.

Releases before 2025-09-15 do not contain request-hierarchy trees.

Value

The parsed request hierarchy as a nested list.

References

Tamkin, A. et al. (2024). Clio: Privacy-Preserving Insights into Real-World AI Use. arXiv:2412.13678. <https://arxiv.org/abs/2412.13678>

See Also

Other core data: [aei_download\(\)](#), [aei_geography\(\)](#), [aei_index\(\)](#), [aei_labor_market\(\)](#), [aei_tasks\(\)](#)

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
tree <- aei_clusters("2025-09-15")
length(tree)
options(op)
```

aei_compare

*Compare two Anthropic Economic Index releases***Description**

Side-by-side diff of the same metric across two releases. Useful for tracking how the share of conversations classified to a given O*NET task or country has shifted between two points in time.

Usage

```
aei_compare(
  release_a,
  release_b,
  source = c("claude_ai", "1p_api"),
  variant = c("raw", "enriched"),
  by = NULL,
  value_col = "value",
  use_cache = TRUE
)
```

Arguments

release_a, release_b	Release identifiers. See aei_files() . release_a is treated as the baseline.
source	Character. Either "claude_ai" or "1p_api".
variant	Character. Either "raw" or "enriched". Ignored for monthly-schema releases (2026-06-26 onwards).
by	Character vector of join keys, or NULL (the default) to choose them automatically from the schema both releases share.
value_col	Character. Name of the numeric column to compare. Default "value".
use_cache	Logical. If TRUE (the default), use the local cache when present.

Details

The function fetches both releases via [aei_index\(\)](#), inner-joins them on the columns in by, and returns one row per shared key with both values plus the absolute and percentage change. When by is NULL (the default) the join keys are chosen from the columns the two tables share: c("cluster_name", "facet", "variable") for the long-format schema (2025-09-15 to 2026-03-24), or c("geo_id", "geo_level", "category_name", "hierarchy_level", "metric_id", "node_name") for the monthly

schema (2026-06-26 onwards). For long-format comparisons that include geographic breakdowns add `geo_id` and `geography` to `by`.

Monthly-schema releases can contain more than one calendar month. Before joining, each side is filtered to its most recent `date_start` window so that keys stay unique; a message reports the window used.

Releases that ship in different schemas cannot be compared directly. Use `aei_download()` and a hand-written join in that case.

Pct-change is calculated as $(\text{value_b} - \text{value_a}) / \text{value_a} * 100$ and is NA where `value_a` is zero.

Value

An `aei_tbl` with the join keys plus `value_a`, `value_b`, `delta` ($= \text{value_b} - \text{value_a}$), and `pct_change`.

References

Handa, K. et al. (2025). Which Economic Tasks are Performed with AI? Evidence from Millions of Claude Conversations. arXiv:2503.04761. <https://arxiv.org/abs/2503.04761>

See Also

Other analysis: `aei_concentration()`, `aei_link()`

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
diff <- aei_compare("2025-09-15", "2026-03-24")
head(diff[order(-abs(diff$delta)), ])
options(op)
```

<code>aei_concentration</code>	<i>Usage concentration metrics for an Anthropic Economic Index slice</i>
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Description

Computes Herfindahl-Hirschman Index (HHI), top-N concentration ratios (CR4 by default), and Shannon entropy on a vector of usage shares. Useful for asking "how concentrated is Claude usage across tasks / occupations / countries?" against the same data the AEI reports for percentage shares.

Usage

```
aei_concentration(
  x,
  share_col = NULL,
  group_cols = NULL,
  top_n = 4L,
  rescale = FALSE
)
```

Arguments

<code>x</code>	A <code>data.frame</code> (or aei_tbl) with a column of shares.
<code>share_col</code>	Character. Name of the share column. Defaults to "value" (the long-format AEI column name) if present, otherwise "pct".
<code>group_cols</code>	Optional character vector of grouping columns. If supplied, returns one row of metrics per group.
<code>top_n</code>	Integer. The N for the CR_n top-share metric. Default 4.
<code>rescale</code>	Logical. If TRUE, normalise the (positive) shares to percentages summing to 100 before computing HHI and CR_n, so the metrics measure concentration within the rows supplied. Default FALSE (use shares as supplied).

Details

Three measures are produced for each call:

- **HHI** = sum of squared shares. Shares are used as supplied: percentages (0 to 100) give an HHI on the 0 to 10,000 scale, proportions (0 to 1) give an HHI on the 0 to 1 scale.
- **CR_n** = sum of the top-n shares. Defaults to CR4. Same units as the input.
- **Entropy** = Shannon entropy in bits, computed on the normalised proportions (so it is invariant to the input scale). Maximum entropy at uniform distribution is $\log_2(n)$ where n is the number of non-zero shares.

When `x` is a filtered subset whose shares no longer total 100 (or 1), the raw HHI and CR_n understate within-subset concentration. Set `rescale = TRUE` to normalise shares to percentages summing to 100 before computing HHI and CR_n; entropy is unaffected.

Rows with NA, zero, or negative shares are dropped before computation. If a `group_cols` argument is supplied, the metrics are computed within each group.

Value

A `data.frame` with columns `n` (number of non-zero shares), `hhi`, `cr_n` (named after `top_n`, e.g. `cr_4`), `entropy_bits`, `entropy_max_bits` ($= \log_2(n)$), and `entropy_normalised` (`entropy_bits` / `entropy_max_bits`, on the unit interval). When `group_cols` is supplied, the grouping columns are prepended.

References

Hirschman, A. O. (1964). "The Paternity of an Index". *The American Economic Review*, 54(5), 761-762.

Shannon, C. E. (1948). "A Mathematical Theory of Communication". *Bell System Technical Journal*, 27(3), 379-423. [doi:10.1002/j.15387305.1948.tb01338.x](https://doi.org/10.1002/j.15387305.1948.tb01338.x)

See Also

Other analysis: [aei_compare\(\)](#), [aei_link\(\)](#)

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
aei_download("2025-03-27", "task_pct_v2.csv")
options(op)
```

aei_files

*List files in an Anthropic Economic Index release***Description**

Returns the file tree for a single release directory on Hugging Face, descending into subdirectories. Useful for inspecting what raw files are available before calling [aei_download\(\)](#) or [aei_index\(\)](#).

Usage

```
aei_files(release = "latest", recursive = TRUE)
```

Arguments

release	A release identifier. Either "latest", a release id such as "release_2026_03_24", or a date string "2026-03-24".
recursive	Logical. If TRUE (the default), recurse into subdirectories. If FALSE, list only the top level of the release.

Value

An [aei_tbl](#) with columns path, type, and size_bytes.

See Also

Other release discovery: [aei_releases\(\)](#)

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
aei_files("2026-03-24", recursive = FALSE)
options(op)
```

aei_geography

Filter the usage table to country or subregion rows

Description

From the 2025-09-15 release onward the Anthropic Economic Index ships geographic breakdowns as rows of its main usage table. This function fetches that table via [aei_index\(\)](#) and filters it to the requested geographic level, optionally to a single country.

Usage

```
aei_geography(
  release = "latest",
  source = c("claude_ai", "1p_api"),
  geography = c("country", "state_us", "subregion"),
  country = NULL,
  use_cache = TRUE
)
```

Arguments

release	A release identifier. See aei_files() . Defaults to "latest".
source	Character. Either "claude_ai" or "1p_api". The 1P API data ships only "global" rows, so country filtering will typically return nothing for that source.
geography	Character. One of "country", "state_us", or "subregion".
country	Optional ISO 3166-1 alpha-3 country code (for example "GBR", "AUS", "USA"). If NULL (the default), all rows at the requested level are returned.
use_cache	Logical. If TRUE (the default), use the local cache when present.

Details

Two geographic schemas exist:

- Releases from 2025-09-15 to 2026-03-24 (long format) carry a geography column with values "country", "state_us", and "global", plus a geo_id column holding ISO-3 country codes or US state codes.
- Releases from 2026-06-26 onwards (monthly format) carry a geo_level column with values "country", "subregion", and "global", plus a geo_id column holding ISO 3166-1 alpha-3 country codes or ISO 3166-2 subregion codes (US states appear as "US-CA", "US-NY", and so on).

The geography argument is mapped onto whichever schema the release uses: "country" selects country rows in both; "state_us" selects state_us rows in the long schema and US subregion rows (geo_id starting "US-") in the monthly schema; "subregion" selects all subregion rows and is only available from 2026-06-26 onwards.

Releases before 2025-09-15 do not contain geographic data; calling [aei_geography\(\)](#) on them returns an informative error.

Value

An `aei_tbl` containing the geographic rows of the usage table.

References

Handa, K. et al. (2025). Which Economic Tasks are Performed with AI? Evidence from Millions of Claude Conversations. arXiv:2503.04761. <https://arxiv.org/abs/2503.04761>

See Also

Other core data: `aei_clusters()`, `aei_download()`, `aei_index()`, `aei_labor_market()`, `aei_tasks()`

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
uk <- aei_geography("2025-09-15", country = "GBR")
head(uk)
options(op)
```

aei_index

Fetch the main usage table for an Anthropic Economic Index release

Description

Convenience wrapper that locates the canonical usage CSV for a release and returns it as a tidy data frame. The shape and exact filename of the canonical table varies across releases (the AEI refactored its directory layout in late 2025); this function papers over that variation by matching against well-known filename patterns.

Usage

```
aei_index(
  release = "latest",
  source = c("claude_ai", "1p_api"),
  variant = c("raw", "enriched"),
  use_cache = TRUE
)
```

Arguments

release	A release identifier. See <code>aei_files()</code> for the list of valid forms.
source	Character. Either "claude_ai" (Claude.ai consumer product traffic) or "1p_api" (first-party API traffic). Not all releases include both.
variant	Character. Either "raw" (counts and percentages straight from Anthropic's pipeline) or "enriched" (joined to O*NET / SOC metadata, with derived per-capita and tier metrics). Older releases may only ship one variant. Ignored for releases from 2026-06-26 onwards, which ship a single file per source.

`use_cache` Logical. If TRUE (the default), use the local cache when present. If FALSE, force a fresh download.

Details

File discovery matches well-known filename patterns against the recursive file listing for a release: releases up to 2026-03-24 use `aei_<variant>_<source>.*\*.csv$`, and releases from 2026-06-26 onwards use `aei_<source>_<date>.csv` (the raw/enriched variant was dropped from filenames with the monthly schema). When more than one match exists (because a release may ship multiple date windows or revisions), the matches are sorted lexicographically descending and the first is used. Because the AEI uses ISO dates in filenames, lexicographic sort approximates "most recent date window" but is not guaranteed to be correct if Anthropic changes its filename convention. Use `aei_files()` to inspect available files for a release if the heuristic surprises you, then use `aei_download()` to fetch a specific path.

Schema differs across releases:

- Releases up to and including 2025-03-27 ship wide-format tables (one row per occupation/task, columns for shares).
- Releases from 2025-09-15 to 2026-03-24 ship long-format tables (one row per geography-facet-variable combination, with a single value column).
- Releases from 2026-06-26 onwards ship calendar-month aggregates (one row per date window, geography, category, and metric, with `geo_level`, `category_name`, `hierarchy_level`, `metric_id`, `node_name`, and `value` columns). These releases ship a single file per source, so the `variant` argument is ignored. A release can contain more than one calendar month; filter on `date_start` if you need a single window.

See `data_documentation.md` in each release directory for the authoritative schema.

Value

An `aei_tbl` containing the usage table.

References

Handa, K. et al. (2025). Which Economic Tasks are Performed with AI? Evidence from Millions of Claude Conversations. arXiv:2503.04761. <https://arxiv.org/abs/2503.04761>

See Also

Other core data: `aei_clusters()`, `aei_download()`, `aei_geography()`, `aei_labor_market()`, `aei_tasks()`

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
aei_index("2025-09-15", variant = "enriched")
options(op)
```

aei_labor_market	<i>Fetch the AEI labor market impacts tables</i>
------------------	--

Description

Alongside the dated releases, the Anthropic Economic Index publishes a standalone `labor_market_impacts` directory on Hugging Face with two tables from Anthropic's labor market research: occupation-level job exposure and task-level penetration. This function fetches either table. The directory keeps Anthropic's US spelling.

Usage

```
aei_labor_market(
  table = c("job_exposure", "task_penetration"),
  use_cache = TRUE
)
```

Arguments

<code>table</code>	Character. Either "job_exposure" (the default) or "task_penetration".
<code>use_cache</code>	Logical. If TRUE (the default), use the local cache when present.

Details

The two tables are:

- "job_exposure": occupation-level exposure of jobs to AI usage, keyed on SOC occupation codes.
- "task_penetration": task-level penetration of AI usage, keyed on O*NET task identifiers.

Unlike the dated releases, this directory is not versioned by date; Anthropic may update it in place. Clear the cache with `aei_cache_clear()` (or call with `use_cache = FALSE`) to force a fresh download. See <https://www.anthropic.com/research/labor-market-impacts> for the accompanying research.

Value

An `aei_tbl` containing the requested table.

See Also

Other core data: `aei_clusters()`, `aei_download()`, `aei_geography()`, `aei_index()`, `aei_tasks()`

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
exposure <- aei_labor_market("job_exposure")
head(exposure)
options(op)
```

aei_link

Join an Anthropic Economic Index table to your own data

Description

Generic merge helper that preserves the [aei_tbl](#) class and provenance metadata. Use it to splice the AEI to any external data frame on a shared key column, for example joining country-level AEI shares to working-age employment counts from a national labour-force survey, or joining O*NET task identifiers to a user-supplied occupational crosswalk (SOC to ANZSCO, SOC to ISCO, SOC to SOC2020 UK, etc.).

Usage

```
aei_link(
  x,
  y,
  by,
  type = c("left", "inner", "full"),
  suffixes = c(".aei", ".y")
)
```

Arguments

x	An aei_tbl returned by any data-fetching function.
y	A <code>data.frame</code> (or <code>aei_tbl</code>) to join.
by	Character vector of column names present in both x and y. Pass a named vector (e.g. <code>c(cluster_name = "onet_id")</code>) to join columns with different names.
type	One of "left" (the default; keep all rows of x), "inner" (keep only matched rows), or "full" (keep all rows of both, fill with NA).
suffixes	Character vector of length two giving suffixes to append to overlapping column names.

Details

The function is a thin wrapper over `base::merge()` with two differences. First, it preserves the `aei_tbl` class and the `aei_query` provenance attribute on the returned object so that downstream code can still see where the AEI side of the join came from. Second, it warns when a join produces zero rows, which is usually a sign of a key mismatch (typed differently, different code system, or different case).

For occupational crosswalks: the long-format AEI schema (from 2025-09-15 onwards) carries the O*NET task identifier in the `cluster_name` column when `facet == "onet_task"`, and SOC major group codes appear in `cluster_name` when `facet == "onet_task"` and `variable == "soc_pct"`. See `data_documentation.md` in each release on Hugging Face for the authoritative schema.

For country joins: country codes are ISO-3 in the enriched data ("GBR", "AUS", "USA"). If your external data uses ISO-2 codes, map them first with a small lookup table or with the **countrycode** package on CRAN.

Value

An [aei_tbl](#) with the joined columns. Provenance metadata from `x` is preserved.

See Also

Other analysis: [aei_compare\(\)](#), [aei_concentration\(\)](#)

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
# Join AEI country shares to a small external table of GDP per capita
country <- aei_geography("2025-09-15")
overlay <- data.frame(
  geo_id = c("GBR", "AUS", "USA"),
  gdp_pc = c(48000, 65000, 80000)
)
joined <- aei_link(country, overlay, by = "geo_id")
head(joined)
options(op)
```

aei_releases

List available Anthropic Economic Index releases

Description

Queries the Hugging Face dataset listing for the Anthropic Economic Index and returns one row per release, augmented with the headline Claude model and a short note when the release is recognised. When the network is unavailable (or `live = FALSE`), the function returns the bundled list of releases known at package build time.

Usage

```
aei_releases(live = TRUE)
```

Arguments

<code>live</code>	Logical. If TRUE (the default), query Hugging Face for the current set of release directories and merge with the bundled metadata. If FALSE, return the bundled list only.
-------------------	--

Value

An [aei_tbl](#) with columns release_id, release_date, model, report_url, and notes.

See Also

Other release discovery: [aei_files\(\)](#)

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
aei_releases()
aei_releases(live = FALSE)
options(op)
```

aei_tasks	<i>Fetch the O*NET task statements bundled with a release</i>
-----------	---

Description

Returns the table of O*NET task statements that the Anthropic Economic Index uses as its task taxonomy.

Usage

```
aei_tasks(release = "2025-03-27", use_cache = TRUE)
```

Arguments

- release A release identifier. See [aei_files\(\)](#).
- use_cache Logical. If TRUE (the default), use the local cache when present.

Details

The *ONET task statements file* (`onet_task_statements.csv`) is shipped alongside the 2025-03-27 release; later releases reference ONET through the enriched index file rather than redistributing the statements separately. The default release argument is set to "2025-03-27" for that reason. For later releases, the same task identifiers can be joined back from `aei_index(release, variant = "enriched")` where the `cluster_name` column carries the O*NET task identifier when `facet == "onet_task"`.

Value

An [aei_tbl](#) containing the task statements.

References

U.S. Department of Labor, Employment and Training Administration. O*NET Database. <https://www.onetonline.org/>

Handa, K. et al. (2025). Which Economic Tasks are Performed with AI? Evidence from Millions of Claude Conversations. arXiv:2503.04761. <https://arxiv.org/abs/2503.04761>

See Also

Other core data: [aei_clusters\(\)](#), [aei_download\(\)](#), [aei_geography\(\)](#), [aei_index\(\)](#), [aei_labor_market\(\)](#)

Examples

```
op <- options(aieconindex.cache_dir = tempdir())
aei_tasks("2025-03-27")
options(op)
```

aei_tbl

The aei_tbl class

Description

An `aei_tbl` is a `data.frame` returned by all data-fetching functions in this package. It carries provenance metadata as the `aei_query` attribute, and dispatches a custom `print()`, `summary()`, and `[]` method that preserves the metadata when the table is subset.

Details

Inspect the metadata directly with `attr(x, "aei_query")`.

Value

An object of class `aei_tbl`, which inherits from `data.frame`.

Examples

```
df <- data.frame(a = 1:3)
attr(df, "aei_query") <- list(endpoint = "demo", release = "rel")
class(df) <- c("aei_tbl", "data.frame")
print(df)
```

print.aei_tbl	<i>Print method for aei_tbl</i>
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Description

Prepends a one-line provenance header summarising the query.

Usage

```
## S3 method for class 'aei_tbl'  
print(x, ...)
```

Arguments

x	An aei_tbl.
...	Passed to the underlying print.data.frame method.

Value

x, invisibly.

summary.aei_tbl	<i>Summary method for aei_tbl</i>
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Description

Summary method for aei_tbl

Usage

```
## S3 method for class 'aei_tbl'  
summary(object, ...)
```

Arguments

object	An aei_tbl.
...	Passed to the underlying summary.data.frame method.

Value

Invisibly returns the standard data frame summary.

[.aei_tbl	<i>Subset method for aei_tbl</i>
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Description

Preserves the aei_tbl class and aei_query attribute when subsetting.

Usage

```
## S3 method for class 'aei_tbl'  
x[i, j, ..., drop = TRUE]
```

Arguments

x	An aei_tbl.
i	Row selector.
j	Column selector.
...	Other arguments passed to [.data.frame.
drop	Logical. As in [.data.frame.

Value

An aei_tbl (or a vector if drop collapses the result).

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