Package 'rfcipDemand'

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Type Package

Title Estimate Federal Crop Insurance Program Demand Models

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Description Tools to construct county–crop–practice–plan–unit panels from the USDA RMA Summary of Business (SOBTPU) and related sources, and to estimate FCIP demand systems with two-way cluster-robust covariance. The pipeline standardizes coverage measures, merges price and instrument variables, adds rental-rate and price-index controls, reconciles county acreage (FSA/NASS), and produces diagnostics including robust first-stage F-tests. Methods align with the empirical design in `The crop insurance demand response to premium subsidies Evidence from U.S. Agriculture" (Food Policy, 2023, 119(3)).

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URL https://github.com/you/rfcipDemand

BugReports https://github.com/you/rfcipDemand/issues

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

VignetteBuilder knitr

Depends R (>= 4.1.0)

Imports rfsa, data.table, systemfit,sandwich,doBy,car,plyr,usmap,stats,utils, tidyr, stringr

Remotes github::UrbanInstitute/urbnmapr, github::dylan-turner25/rfsa, github::JanMarvin/nlsur

Suggests knitr, rmarkdown, tibble, dplyr, lavaan, testthat (>= 3.0.0)

LazyData true

Cite-us If you find it useful, please consider staring the repository and citing the following studies

- Tsiboe, F. and Turner, D. (2025). ``Incorporating buyup price loss coverage into the United States

farm safety net." Applied Economic Perspectives and Policy.

- Tsiboe, F., et al. (2025). ``Risk reduction impacts of crop insurance in the United States."

2 calculate_mode

Applied Economic Perspectives and Policy.

- Gaku, S. and Tsiboe, F. (2024). Evaluation of alternative farm safety net program combination strategies. Agricultural Finance Review.

Contents

	ulate_mode Calculate the Statistical Mode	
dex		2
	nass_us_ag_price_index_monthly	20
	nass_state_rental_rates	
	nass_marketing_year_avg_price	
	nass_index_for_price_recived	
	nass_census_state_beginning_farmer_and_rancher_data	
	get_yu2018_instrument	
	fsa_crop_linker	
	format_fcip_demand_table	
	fixed_effect_model_data_prep	
	fcip_recodes_type	
	fcip_recodes_practice	
	fcip_recodes_insurance_plan	
	fcip_recodes_commodity_groupings	
	fcip_demand_sys_vcov	
	fcip_demand_sys_tests	
	fcip_demand_sys_run	
	fcip_demand_sys_prep	1
	fcip_demand_sys_partial	1
	fcip_demand_sys_fit	
	fcip_demand_sys_estimate	
	fcip_demand_sys_effect	,
	fcip_demand_sys_coeff_table	
	fcip_demand_elasticities_lavaan	
	fcip_demand_data_dispatcher	
	fcip_contiguous_county	
	estimate_fcip_instruments	
	calibrate_fcip_demand_elasticities	
	calculate_mode	

Description

Returns the element that occurs most frequently in a vector.

Usage

Index

```
calculate_mode(x, na.rm = TRUE)
```

Arguments

x A vector of any atomic type (numeric, character, factor,).

na.rm Logical; should missing values be ignored? Defaults to TRUE. If FALSE and x contains any NAs, the function returns NA.

Details

Internally the function:

- 1. Optionally removes NAs (na.rm = TRUE).
- 2. Builds a lookup table of unique values via unique(x).
- 3. Counts the frequency of each unique value with tabulate(match(x, ux)).
- 4. Returns the value with the maximum count.

Because it relies on base R functions, the implementation is vectorised and generally fast for typical data-frame column sizes.

Value

A single value giving the modal element of x. If two or more values are tied for the highest frequency, the first one encountered in x is returned.

```
calibrate_fcip_demand_elasticities

Calibrate FCIP demand elasticities
```

Description

Fits a 2-equation FCIP demand system over an estimation window ending in calibration_year and returns capped elasticities (-2, 0) by disaggregation level using rfcipDemand::fcip_demand_sys_estimate().

Usage

```
calibrate_fcip_demand_elasticities(
  calibration_year,
  estimation_window,
  data,
  drawn_pools = NULL,
  disaggregate = NULL
)
```

Arguments

drawn_pools Optional data. table used to filter data via an inner join on intersecting columns.

disaggregate Optional character vector of grouping variables passed to the estimator (e.g.,

"commodity_code" or c("state", "commodity_code")).

Details

Internally, the function (i) restricts data to the estimation years, (ii) collapses insurance plan codes and sets price := 1 for non-RP crops, (iii) constructs log variables, trend and year dummies, and (iv) estimates the system with rate endogenous and tau0 as the excluded instrument. Estimates are truncated to (-2, 0) and returned in wide form.

Value

data.table with columns: disag, level, gamma_elasticity, theta_elasticity.

estimate_fcip_instruments

Estimate FCIP Instrumental Variables (Unloaded Rates)

Description

Uses historical FCIP rate data to build instrumented unloaded-rate variables following:

1. Tsiboe & Turner (2023), Econometric identification of crop insurance participation *Agricultural and Resource Economics Review*, 52(3):476-497. https://doi.org/10.1017/age. 2023.13

Usage

```
estimate_fcip_instruments(year, statplan)
```

Arguments

year Integer. The target crop year for which to construct instruments.

statplan A data.table containing FCIP rate elements, including at least:

commodity_year Year of the rate observation.
state_code, county_code County identifiers.

commodity_code Crop identifier.

insured_area, lcr, contiguous_state_code, contiguous_county_code Fields re-

quired by estimate_fcip_unloaded_rate().

Details

- 1. Task list: Identify all unique (state, county) pairs with data in the 2-21 years before year.
- 2. **Unloaded-rate calculation**: For each county in task_list, call estimate_fcip_unloaded_rate() on the same 2-21 year window to get tau. Errors return NULL so processing continues.
- 3. Contiguous-county smoothing:
 - Build a lookup table of contiguous counties (using contiguous_county).
 - For each contiguous group, compute the mean tau to get tau_c.

- 4. **Merge & fill**: Left-join the raw adm and contiguous_adm; replace any zero/NA/Inf tau with the group mean tau_c into tau_sob.
- Cleanup: Drop helper columns (tau, tau_c), remove invalid rows, add commodity_year, and return the result.

Value

A data.table with one row per county-crop for the specified year, containing:

```
{\bf state\_code, county\_code, commodity\_code} \ \ {\bf Keys}.
```

tau_sob Smoothed unloaded rate (uses contiguous-county means to fill zeros/NAs).

commodity_year The input year, repeated.

See Also

Other FCIP instruments: get_yu2018_instrument()

```
fcip_contiguous_county
```

fcip_contiguous_county

Description

A combined dataset for fcip_contiguous_county

Usage

```
data(fcip_contiguous_county)
```

Format

A data frame with 24307 rows and 12 columns covering Inf-Inf.

Source

USDA-RMA, Actuarial Data Master - A0123

fcip_demand_data_dispatcher

Build dataset to estimate Federal Crop Insurance Program (FCIP) demand (modular pipeline)

Description

End-to-end pipeline that: (1) prepares SOBTPU and coverage aggregates, (2) adds prices/instruments/rental rates/price index, (3) reconciles county acreage (FSA + NASS), and (4) finalizes bins/labels/pooling for demand estimation.

Usage

Arguments

study_years

Integer vector of commodity years to include. Defaults to 2001: (as.numeric(format(Sys.Date(),

"%Y")) - 1).

identifiers

Character vector of grouping keys that define the aggregation grain. Must be columns present in SOBTPU (e.g., "commodity_year", FCIP_INSURANCE_POOL, "insurance_plan_code", "unit_structure_code", and-if desired-additional keys like "commodity_code" or "practice_code"). Enrichment joins for recodes are performed only when the required keys are included in identifiers

Details

Aligned with Asche, Bekkerman, & Li (2023), *Food Policy*, 119(3):102505 (doi:10.1016/j.foodpol.2023.102505). Requires internet access to download release .rds assets and several in-memory lookup tables (see stage docs).

Value

A data.table ready for FCIP demand estimation.

```
\verb|fcip_demand_e| lasticities_lava an \\
```

Calibrate FCIP demand elasticities via IV-SEM (lavaan)

Description

Fits a just-identified IV-style SEM where instr_rate instruments tilda_rate, and tilda_rate enters two outcome equations (tilda_ghamma, tilda_theta). Endogeneity is encoded via residual correlations between tilda_rate and each outcome. The instrument is excluded from the outcome disturbances.

Usage

```
fcip_demand_elasticities_lavaan(
  data,
  estimator = c("ML", "MLR"),
  missing = c("fiml", "listwise")
)
```

Arguments

data data.frame with cols: instr_rate, tilda_rate, tilda_gamma, tilda_theta

estimator "ML" or "MLR" (default "MLR" = robust SE/tests)

missing "fiml" or "listwise" (default "fiml")

Details

Constraints imposed:

```
1. b1 < 0, 2) b2 < 0, 3) b1 + b2 + b1*b2 < 0
```

Value

A data.table of parameter estimates and logical convergence flag

```
fcip_demand_sys_coeff_table
```

Tidy coefficient table with cluster-robust SEs (from supplied VCOV)

Description

Builds a clean coefficient table for a systemfit model using a **user-supplied covariance matrix** (e.g., two-way clustered from fcip_demand_sys_vcov()). Estimates come from coef(fit), standard errors from diag(vcMat), then Z-scores and two-sided normal p-values are computed. The demand column is inferred from the equation prefix in the coefficient names:

- "gamma_*" to "gamma"
- "theta_*" to "theta" Otherwise the prefix itself is used.

Usage

```
fcip_demand_sys_coeff_table(fit, vcMat, p_digits = 5)
```

Arguments

fit A fitted systemfit object.

vcMat A covariance matrix conformable with coef(fit). Row/column names are used

to align; if missing, positional alignment is assumed.

p_digits Integer; number of digits to keep for p-values (default 5).

Value

A data.frame with columns: demand, coef, Estimate, StdError, Zvalue, Pvalue.

fcip_demand_sys_effect

Delta-method "total protection response"

Description

Combines equation-specific effects into a single "total" effect for each regressor in c(fields\$endogenous, fields\$included) using car::deltaMethod and a supplied covariance matrix.

Usage

```
fcip_demand_sys_effect(fit, vcMat, fields, data)
```

Arguments

fit	A fitted systemfit object (the structural system).
vcMat	$Covariance\ matrix\ conformable\ with\ coef(fit)\ (e.g., from\ fcip_demand_sys_vcov()).$
fields	Named list carrying model fields: must include outcome, endogenous, and

included.

data Estimation data used to check variable availability and build delta-method ex-

pressions.

Value

A data.frame with rows demand="total" and columns: demand, coef, Estimate, StdError, Zvalue, Pvalue.

fcip_demand_sys_estimate

System estimator (modular wrapper; preserves original outputs)

Description

Estimates a two-equation system with an endogenous regressor across disaggregation levels. The pipeline is: (1) per-level sample selection (min n per commodity_year), (2) partialling-out / tilda transforms, (3) system estimation (e.g., IV/3SLS via internal helpers), (4) clustered variance estimation, (5) delta-method totals, (6) optional constrained re-estimation of elasticities (lavaan), (7) diagnostics, and (8) row-binding results across levels.

Usage

fcip_demand_sys_estimate(model, data, constrained_elasticities = FALSE)

Arguments

model

List specifying the system; required elements are:

- outcome (character(2)): names of the two outcomes in data.
- endogenous (character(1)): endogenous regressor name.
- included (character): included (exogenous) regressors.
- disag (character(1) or NULL): disaggregation key column in data.
- FE (logical): include fixed effects in the internal run (handled by helpers). Optional elements:
- excluded (character or NULL): excluded instruments.
- partial (character or NULL): variables to partial out (tilda).
- restrict (logical): pass-through to internal restricted estimation.
- name (character(1)): label carried to the output.

data

data.frame/data.table containing all referenced columns in model plus pool and commodity_year. Columns in model\$outcome, model\$endogenous, model\$included, and (if used) model\$excluded and model\$partial must exist in data.

constrained_elasticities

Logical (default FALSE). If TRUE, re-estimate the elasticities via a constrained SEM (lavaan) and, where applicable, replace positive elasticity estimates with constrained ones. See **Constrained elasticities (optional)**.

Details

Inputs and preprocessing

- model\$outcome must be a character vector of length 2 giving the two outcome column names in data. Internally these are mapped to gamma and theta for estimation convenience.
- model\$disag is the name of the disaggregation key. If NULL, a dummy "full_sample" key is created.
- The disaggregation key is coerced to character.
- For each level of model\$disag, the function keeps only levels that have at least 30 observations per commodity_year (computed via doBy::summaryBy). Levels failing this threshold are dropped.

Per-level estimation For each retained level, the function calls internal helpers (fcip_demand_sys_run, etc.) to (i) partially out controls if requested, and (ii) estimate the system with clustered VCOV and delta-method totals. Errors at the level are caught and the level is skipped (no hard stop).

Constrained elasticities (optional) When constrained = TRUE, elasticities on the endogenous regressor are re-estimated per level via a lavaan SEM with sign restrictions (internal helper fcip_demand_elasticities_l using estimator = "MLR", missing = "listwise"). The constrained estimates replace any positive system estimates for the elasticities; a logical flag constrained marks levels where a replacement occurred. The returned columns are reduced to disag, level, demand, constrained, and Estimate.

Returned shape

- If constrained_elasticities = FALSE (default), returns the full per-level system output from fcip_demand_sys_run with additional columns: disag, level, and rounded Zvalue, Pvalue.
- If constrained = TRUE, returns a compact table with disag, level, demand, constrained, Estimate after merging the constrained elasticities.

Value

A data.table aggregating results across all disaggregation levels. The column set depends on constrained (see **Returned shape**).

fcip_demand_sys_fit Build systemfit formulas and estimate the system

Description

Constructs the list of structural equations (g) and instrument sets (h), then runs systemfit() using OLS (when no excluded instruments) or 3SLS-GMM (when excluded instruments are present).

Usage

```
fcip_demand_sys_fit(
  data,
  fields,
  tilda_included,
  tilda_endogenous,
  tilda_excluded
)
```

Arguments

Estimation data. frame/data. table containing the tilda_* and instr_* variables referenced by the formulas.

fields

Named list with at least outcome, included, endogenous, and optionally excluded.

tilda_included

Character vector of residualized included regressor names (e.g., "tilda_x1").

tilda_endogenous

Character vector of residualized endogenous regressor names (e.g., "tilda_z1").

tilda_excluded

Character vector of instrument names (e.g., "instr_z1"), or NULL when no excluded instruments are used.

Value

A list with elements:

fit Fitted systemfit object.

g List of structural formulas.

h List of instrument formulas.

fcip_demand_sys_partial

Residualize ("partial out") and build tilded / instrument variables

Description

If excluded instruments exist, runs first-stage OLS for each endogenous variable e: e ~ 1 + partial + included + excluded, storing the fitted values as instr_e. If partial is non-empty, it then regresses instr_e ~ 1 + partial and replaces instr_e <- instr_e - fitted(instr_e ~ partial) (i.e., removes the partial component; conceptually $\widehat{\text{instr}}_e(\text{partial})$).

Outcomes, included, and endogenous variables are residualized on partial to create tilda_<var> (or copied if partial is empty).

Usage

```
fcip_demand_sys_partial(data, fields, partial_override = NULL)
```

Arguments

data A data. frame/data. table with referenced variables.

fields List with: outcome, endogenous, included, optional excluded, optional partial.

partial_override

Optional character vector to override fields\$partial.

Details

Uses defensive checks so absent columns are ignored (with a warning) rather than erroring. If partial is empty, residualization is a no-op and tilda_* simply copy the originals. Formulas are constructed via stats::reformulate() to avoid paste/quoting pitfalls.

Value

List with data, tilda_included, tilda_endogenous, tilda_excluded.

fcip_demand_sys_prep Prepare data for analysis

Description

Drops incomplete/invalid rows, removes constant partials, and optionally demeans via a fixed-effects helper.

Usage

```
fcip_demand_sys_prep(data, fields)
```

Arguments

data Estimation dataset that already contains all columns referenced by fields.

fields Named list: outcome, endogenous, included, excluded (opt), partial (opt),

FE (logical), disag (column name).

Value

A list: data (prepped), NFE (number of FE), partial (possibly reduced).

Description

Runs the full pipeline: prep -> partial/tilda creation -> systemfit -> two-way clustered VCOV -> delta-method totals -> optional restricted step -> diagnostics; then returns a tidy coefficient table with metadata.

Usage

fcip_demand_sys_run(data, fields)

Arguments

data Estimation dataset

fields Named list carrying model fields (see fcip_demand_estimation()), includ-

ing disag, FE, outcome, endogenous, included, optional excluded, partial,

restrict, and name.

Value

 $A \ \ data.frame \ with \ columns \ demand, \ coef, \ Estimate, \ StdError, \ Zvalue, \ Pvalue \ and \ meta-columns \ model, \ endogenous, FE, \ name, \ disag$

fcip_demand_sys_tests System diagnostics: two-way robust first-stage F (+ optional approx. J)

Description

Produces diagnostics without re-running GMM:

- FTest: joint relevance of excluded instruments in each first stage, using the same two-way (pool by crop year) cluster-robust covariance via fcip_demand_sys_vcov() with kind = "lm". Reports the minimum F across endogenous regressors.
- **JTest** (optional): an *approximate* over-identification test computed as the sum of per-equation Sargan statistics $J_k \approx n_k R_k^2$ from regressions of equation residuals on that equation's instrument set. This is a quick check (not the system Hansen J).

Usage

```
fcip_demand_sys_tests(g, h, data, fit, NFE, approx_j = FALSE)
```

Arguments

g	List of system equations (the same formulas passed to systemfit).
h	List of instrument formulas (the same formulas passed to systemfit).
data	Estimation data.frame/data.table containing all variables in g/h plus clustering columns pool and crop_yr.
fit	A fitted systemfit object (used for N and residCov_* extraction).
NFE	Integer: number of absorbed fixed effects (for reporting only).
approx_j	Logical, compute the approximate (non-robust) Sargan J as described above. Default FALSE (returns NA for JTest).

Value

A data.frame with rows: N, NFE, $residCov_11$, $residCov_22$, $residCov_12$, JTest, FTest.

fcip_demand_sys_vcov Two-way cluster-robust covariance for FCIP demand models

Description

Computes a Cameron-Gelbach-Miller two-way cluster-robust covariance matrix using inclusion-exclusion: $V = V_{pool} + V_{year} - V_{pool_year}$. Works for both systemfit (stacked system) and lm (first-stage).

Usage

```
fcip_demand_sys_vcov(
  object,
  data,
  kind = c("systemfit", "lm"),
  pool_col = "pool",
  year_col = "commodity_year",
  NFE = 0L,
  n_partial = 0L,
  n_eq = NULL
)
```

Arguments

object	Fitted model: either a systemfit or lm.
data	Estimation data containing pool and year identifiers.
kind	One of c("systemfit","lm"). If omitted, auto-detected.
pool_col	Name of the pool/cluster id column in data (default "pool").
year_col	Name of the year/time id column in data (default "crop_yr").
NFE	Integer; number of absorbed fixed effects (for df rescaling).

n_partial Integer; count of variables partialed out per equation.

n_eq Integer; number of equations (length(object\$eq) for systemfit, 1 for lm).

You can override if needed.

Details

Rescaling. Let n be the number of observations (stacked across equations for systemfit). With k_old the number of coefficients and $k_new = k_old + NFE + n_partial * n_eq$, the returned matrix is scaled by $(n - k_old - 1)/(n - k_new - 1)$.

Row alignment (lm). Rows used by lm are inferred from rownames (model.matrix(object)). If they cannot be mapped back to data, the first nobs(object) rows are used.

Value

Covariance matrix aligned with coef(object).

```
fcip\_recodes\_commodity\_groupings \\ fcip\_recodes\_commodity\_groupings
```

Description

A combined dataset for fcip_recodes_commodity_groupings

Usage

```
data(fcip_recodes_commodity_groupings)
```

Format

A data frame with 3572 rows and 10 columns covering 1997-2025.

Source

USDA-RMA, Actuarial Data Master - A00400 and A00420 supplemented data from legacy ADM files

Description

A combined dataset for fcip_recodes_insurance_plan

Usage

```
data(fcip_recodes_insurance_plan)
```

fcip_recodes_practice 15

Format

A data frame with 773 rows and 10 columns covering 1989-2025.

Source

USDA-RMA, Actuarial Data Master - A00460 supplemented data from legacy ADM files

fcip_recodes_practice fcip_recodes_practice

Description

A combined dataset for fcip_recodes_practice

Usage

```
data(fcip_recodes_practice)
```

Format

A data frame with 28639 rows and 8 columns covering 1997-2025.

Source

USDA-RMA, Actuarial Data Master - A00510 supplemented data from legacy ADM files

fcip_recodes_type
fcip_recodes_type

Description

A combined dataset for fcip_recodes_type

Usage

```
data(fcip_recodes_type)
```

Format

A data frame with 232709 rows and 7 columns covering 1999-2025.

Source

Generated internally, using harmonize_crop_type_codes()

```
fixed_effect_model_data_prep
```

Prepare and demean data for fixed-effects models

Description

This function

- 1. Filters to complete cases on the specified panel, time, weight, variables, and output
- 2. If output is NULL, creates a dummy output column filled with 1s
- 3. Drops any panel with only one observation
- 4. Computes within-panel means for the output + each variable in varlist (_mean_i)
- 5. Computes overall sample means for the same set of variables (_mean)
- 6. Replaces each variable in varlist by value within_panel_mean + overall_mean

Usage

```
fixed_effect_model_data_prep(
  data,
  varlist,
  panel,
  time,
  wvar = NULL,
  output = NULL
)
```

Arguments

data A data frame or data table containing the data.

varlist Character vector of variable names to be demeaned.

panel Character vector of column name(s) defining the panel identifier.

time Character scalar name of the time variable.

wvar Character scalar name of a variable to keep but not demean (optional, default NULL).

output Character scalar name of an output variable whose means are computed but

not altered; if NULL, a dummy column named "output" is created (optional,

default NULL).

Value

A list with components

- data: a data.table containing
 - the original panel, time, wvar, varlist, and output columns
 - two mean columns for each of c(output, varlist): <name>_mean_i (within-panel) and <name>_mean (overall)
- NFE: the number of panels with more than one observation

format_fcip_demand_table

Table: Crop Insurance Demand System for US Federal Crop Insurance Pools (2001/22)

Description

Build a two-column, GitHub-safe panel table summarizing a crop insurance demand system. The table is organized into panels for coverage level (Theta), insured acres (Gamma), total protection response, a covariance matrix block, and additional statistics. Coefficients are formatted as estimate (std. error) with significance stars.

Usage

```
format_fcip_demand_table(df, var_labels)
```

Arguments

df

A data frame containing the results with columns:

- demand (chr): panel identifier; expected values include "Theta", "Gamma", and "Total".
- coef (chr): raw coefficient/row labels (e.g., "tilda_rate", "residCov_11", "N").
- Estimate (dbl): point estimates.
- StdError (dbl): standard errors (may be NA for scalars).
- Pvalue (dbl): p-values used to add significance stars.

var_labels

A named character vector mapping raw names to display labels,

Details

Designed for README/output knitted as github_document; use with knitr::kable(..., format = "pipe") to avoid HTML-only features.

Value

A tibble with two columns, Variables and Estimates, where panel headers have empty Estimates to enable bolding (if rendered in HTML) and coefficients are formatted as "estimate*** (se)".

fsa_crop_linker

Simulator Helper Datasets

Description

A combined dataset for fsa_crop_linker

Usage

```
data(fsa_crop_linker)
```

Format

A data frame with 8594 rows and 8 columns covering Inf-Inf.

Source

Internal innovation

get_yu2018_instrument Formulate & Merge National Subsidy Rate Instrument (Yu et al., 2018)

Description

Downloads the historical Summary of Business RDS and computes national subsidy-rate instruments at specified coverage levels, following Yu et al. (2018).

Usage

```
get_yu2018_instrument(
   dt,
   delivery_systems = c("RBUP", "FBUP"),
   plan_codes = c(1:3, 90, 44, 25, 42),
   coverage_levels = c(65, 75)
)
```

Arguments

```
dt sobcov

delivery_systems

Character vector. Delivery systems to include; default c("RBUP", "FBUP").

plan_codes

Integer vector. Insurance plan codes to include; default c(1:3, 90, 44, 25, 42).

coverage_levels

Numeric vector. Percent coverage levels to keep; default c(65, 75).
```

Value

A data.table with columns: commodity_year, subsidy_rate_65, subsidy_rate_75.

See Also

```
Other\ FCIP\ instruments:\ estimate\_fcip\_instruments()
```

nass_census_state_beginning_farmer_and_rancher_data

nass_census_state_beginning_farmer_and_rancher_data

Description

A combined dataset for nass_census_state_beginning_farmer_and_rancher_data

Usage

```
data(nass_census_state_beginning_farmer_and_rancher_data)
```

Format

A data frame with 255 rows and 16 columns covering Inf-Inf.

Source

USDA NASS Quick Stats

Description

A combined dataset for nass_index_for_price_recived

Usage

```
data(nass_index_for_price_recived)
```

Format

A data frame with 35 rows and 3 columns covering 1990-2024.

Source

USDA NASS Quick Stats

20 nass_state_rental_rates

Description

A combined dataset for nass_marketing_year_avg_price

Usage

```
data(nass_marketing_year_avg_price)
```

Format

A data frame with 31139 rows and 7 columns covering 1866-2024.

Source

USDA NASS Quick Stats

Description

A combined dataset for nass_state_rental_rates

Usage

```
data(nass_state_rental_rates)
```

Format

A data frame with 1792 rows and 5 columns covering 1994-2025.

Source

Output from get_state_rental_rates() function

 $nass_us_ag_price_index_monthly \\ nass_us_ag_price_index_monthly$

Description

A combined dataset for nass_us_ag_price_index_monthly

Usage

```
data(nass_us_ag_price_index_monthly)
```

Format

A data frame with 2255 rows and 8 columns covering Inf-Inf.

Source

 $USDA\ NASS:\ https://www.nass.usda.gov/Charts_and_Maps/graphics/data$

Index

```
* Estimation Data
                                               fixed_effect_model_data_prep, 15
    fcip_demand_data_dispatcher, 5
                                               format_fcip_demand_table, 16
* Estimators panel models
                                               fsa_crop_linker, 17
    fixed_effect_model_data_prep, 15
                                               get_yu2018_instrument, 5, 17
* FCIP instruments
    estimate_fcip_instruments, 4
                                               nass_census_state_beginning_farmer_and_rancher_data,
    get_yu2018_instrument, 17
* datasets
                                               nass_index_for_price_recived, 19
    fcip_contiguous_county, 5
                                               nass_marketing_year_avg_price, 19
    fcip_recodes_commodity_groupings,
                                               nass_state_rental_rates, 20
                                               nass_us_ag_price_index_monthly, 20
    fcip_recodes_insurance_plan, 14
    fcip_recodes_practice, 14
    fcip_recodes_type, 15
    fsa_crop_linker, 17
    nass_census_state_beginning_farmer_and_rancher_data,
    nass_index_for_price_recived, 19
    nass_marketing_year_avg_price, 19
    nass_state_rental_rates, 20
    nass_us_ag_price_index_monthly, 20
calculate_mode, 2
calibrate_fcip_demand_elasticities, 3
estimate_fcip_instruments, 4, 18
fcip_contiguous_county, 5
fcip_demand_data_dispatcher, 5
fcip_demand_elasticities_lavaan, 6
fcip_demand_sys_coeff_table, 7
fcip_demand_sys_effect, 7
fcip_demand_sys_estimate, 8
fcip_demand_sys_fit, 9
fcip\_demand\_sys\_partial, 10
fcip\_demand\_sys\_prep, 11
fcip_demand_sys_run, 11
fcip_demand_sys_tests, 12
fcip_demand_sys_vcov, 12
fcip_demand_sys_vcov(), 12
fcip_recodes_commodity_groupings, 13
fcip_recodes_insurance_plan, 14
fcip_recodes_practice, 14
fcip_recodes_type, 15
```