Package 'mundoLindey'

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Type Package

Title Educational Statistics Tables and Graphs

Version 0.1.0

Description Provides Spanish-language educational tools for descriptive statistics, probability calculations, frequency tables, and graphics. The package is designed for introductory statistics workflows and returns printable summaries, tables, and optional 'ggplot2' visualizations. The graphical tools build on the grammar of graphics described by Wickham (2016, ISBN:978-3-319-24277-4).

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Encoding UTF-8

Depends R (>= 4.1.0)

Imports ggplot2, grDevices, grid, stats, utils

NeedsCompilation no

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Contents

`mundoLindey-package` *mundoLindey: Educational Statistics Tables and Graphs*

Description

Spanish-language educational tools for descriptive statistics, probability calculations, frequency tables, and graphics.

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)

tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
stopifnot(inherits(tabla, "lindey_frecuencia_agrupada"))

variables <- lindey_tipo_variable(data.frame(nota = datos), "nota", mostrar = FALSE)
stopifnot(inherits(variables, "lindey_tipo_variable"))
```

`lindey_barras_nominal` *Barras Nominal*

Description

Creates a 'ggplot2' graphic from a frequency-table result produced by this package.

Usage

```
lindey_barras_nominal(
  resultado,
  y = "fi",
  colores = "ejecutivo",
  color_borde = "white",
  ancho_borde = 0.7,
  ancho_barra = 0.72,
  alpha = 0.95,
  ordenar = TRUE,
  orden = "desc",
  horizontal = "auto",
  top_n = NULL,
  agrupar_otros = FALSE,
  etiqueta_otros = "Otros",
  leyenda = FALSE,
  titulo_leyenda = NULL,
  mostrar_valores = TRUE,
  etiqueta = "auto",
  posicion_etiqueta = "fuera",
  color_texto = "#334155",
  color_texto_dentro = "white",
  resaltar_moda = TRUE,
  color_moda_borde = "#0F172A",
  ancho_moda_borde = 1.2,
  mostrar_linea_promedio = FALSE,
  color_linea_promedio = "#64748B",
  tipo_linea_promedio = "dashed",
  titulo = NULL,
  subtitulo = NULL,
  eje_x = NULL,
  eje_y = NULL,
  caption = "Elaborado con Mundo LINDEY",
  rotar_etiquetas_x = FALSE,
  expandir_y = 0.15,
  base_size = 12,
  fondo = "blanco"
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
y	Column or measure to show on the y-axis.
colores	Color palette name or vector of colors.
color_borde	Argument used by 'color_borde'.
ancho_borde	Argument used by 'ancho_borde'.
ancho_barra	Argument used by 'ancho_barra'.
alpha	Argument used by 'alpha'.
ordenar	Argument used by 'ordenar'.
orden	Argument used by 'orden'.
horizontal	Argument used by 'horizontal'.
top_n	Argument used by 'top_n'.
agrupar_otros	Argument used by 'agrupar_otros'.
etiqueta_otros	Argument used by 'etiqueta_otros'.
leyenda	Argument used by 'leyenda'.
titulo_leyenda	Argument used by 'titulo_leyenda'.
mostrar_valores	Argument used by 'mostrar_valores'.
etiqueta	Argument used by 'etiqueta'.
posicion_etiqueta	Argument used by 'posicion_etiqueta'.
color_texto	Argument used by 'color_texto'.
color_texto_dentro	Argument used by 'color_texto_dentro'.
resaltar_moda	Argument used by 'resaltar_moda'.
color_moda_borde	Argument used by 'color_moda_borde'.
ancho_moda_borde	Argument used by 'ancho_moda_borde'.
mostrar_linea_promedio	Argument used by 'mostrar_linea_promedio'.
color_linea_promedio	Argument used by 'color_linea_promedio'.
tipo_linea_promedio	Argument used by 'tipo_linea_promedio'.
titulo	Plot title.
subtitulo	Plot subtitle.
eje_x	Argument used by 'eje_x'.
eje_y	Argument used by 'eje_y'.

caption	Plot caption.
rotar_etiquetas_x	Argument used by 'rotar_etiquetas_x'.
expandir_y	Argument used by 'expandir_y'.
base_size	Argument used by 'base_size'.
fondo	Argument used by 'fondo'.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
tabla <- lindey_frecuencia_nominal(c("A", "B", "A", "C"), mostrar = FALSE)
grafico <- lindey_barras_nominal(tabla)
stopifnot(inherits(grafico, "lindey_grafico"))
```

---

lindey_bastones_discreto

Bastones Discreto

Description

Creates a 'ggplot2' graphic from a frequency-table result produced by this package.

Usage

```
lindey_bastones_discreto(
  resultado,
  y = "fi",
  color_bastones = "lindey",
  color_puntos = NULL,
  color_moda = "#0F172A",
  grosor_baston = 1.15,
  tamano_puntos = 4,
  forma_puntos = 21,
  relleno_puntos = "white",
  mostrar_puntos = TRUE,
  mostrar_valores = TRUE,
  etiqueta = "auto",
  resaltar_moda = TRUE,
  mostrar_linea_base = TRUE,
  color_linea_base = "#CBD5E1",
```

```
  titulo = NULL,
  subtitulo = NULL,
  eje_x = NULL,
  eje_y = NULL,
  caption = "Elaborado con Mundo LINDEY",
  rotar_etiquetas_x = FALSE,
  expandir_y = 0.15,
  base_size = 12,
  fondo = "blanco"
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
y	Column or measure to show on the y-axis.
color_bastones	Argument used by 'color_bastones'.
color_puntos	Argument used by 'color_puntos'.
color_moda	Argument used by 'color_moda'.
grosor_baston	Argument used by 'grosor_baston'.
tamano_puntos	Argument used by 'tamano_puntos'.
forma_puntos	Argument used by 'forma_puntos'.
relleno_puntos	Argument used by 'relleno_puntos'.
mostrar_puntos	Argument used by 'mostrar_puntos'.
mostrar_valores	Argument used by 'mostrar_valores'.
etiqueta	Argument used by 'etiqueta'.
resaltar_moda	Argument used by 'resaltar_moda'.
mostrar_linea_base	Argument used by 'mostrar_linea_base'.
color_linea_base	Argument used by 'color_linea_base'.
titulo	Plot title.
subtitulo	Plot subtitle.
eje_x	Argument used by 'eje_x'.
eje_y	Argument used by 'eje_y'.
caption	Plot caption.
rotar_etiquetas_x	Argument used by 'rotar_etiquetas_x'.
expandir_y	Argument used by 'expandir_y'.
base_size	Argument used by 'base_size'.
fondo	Argument used by 'fondo'.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
tabla <- lindey_frecuencia_discreto(c(1, 1, 2, 2, 3, 4), mostrar = FALSE)
grafico <- lindey_bastones_discreto(tabla)
stopifnot(inherits(grafico, "lindey_grafico"))
```

---

lindey_dispersion_agrupada

Dispersion Agrupada

Description

Calculates measures of dispersion for grouped data.

Usage

```
lindey_dispersion_agrupada(
  resultado,
  tipo = c("muestra", "poblacion"),
  decimales = 4,
  mostrar = TRUE
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
tipo	Type of calculation or display to use.
decimales	Number of decimal places used in displayed results.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)
tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
dispersion <- lindey_dispersion_agrupada(tabla, mostrar = FALSE)
stopifnot(inherits(dispersion, "lindey_dispersion_agrupada"))
```

---

lindey_forma_agrupada *Forma Agrupada*

Description

Summarizes or visualizes distribution shape for grouped data.

Usage

```
lindey_forma_agrupada(
  dispersion,
  decimales = 4,
  tol_asimetria = 0.1,
  tol_curtosis = 0.1,
  correccion_muestral = TRUE,
  mostrar = TRUE
)
```

Arguments

`dispersion`	A result object returned by 'lindey_dispersion_agrupada()'.
`decimales`	Number of decimal places used in displayed results.
`tol_asimetria`	Argument used by 'tol_asimetria'.
`tol_curtosis`	Argument used by 'tol_curtosis'.
`correccion_muestral`	Argument used by 'correccion_muestral'.
`mostrar`	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

`mundoLindey`

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)
tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
dispersion <- lindey_dispersion_agrupada(tabla, mostrar = FALSE)
forma <- lindey_forma_agrupada(dispersion, mostrar = FALSE)
stopifnot(inherits(forma, "lindey_forma_agrupada"))
```

---

lindey_forma_plot *Forma Plot*

Description

Summarizes or visualizes distribution shape for grouped data.

Usage

```
lindey_forma_plot(
  forma,
  decimales = 3,
  titulo = "Forma de la distribuci\u00F3n",
  mostrar_referencia_normal = TRUE,
  color_curva = "#D97706",
  color_relleno = "#F8E7C7",
  color_referencia = "#6B7280",
  color_texto = "#111827",
  mostrar = TRUE
)
```

Arguments

forma	A result object returned by 'lindey_forma_agrupada()'.
decimales	Number of decimal places used in displayed results.
titulo	Plot title.
mostrar_referencia_normal	Argument used by 'mostrar_referencia_normal'.
color_curva	Argument used by 'color_curva'.
color_relleno	Argument used by 'color_relleno'.
color_referencia	Argument used by 'color_referencia'.
color_texto	Argument used by 'color_texto'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)
tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
dispersion <- lindey_dispersion_agrupada(tabla, mostrar = FALSE)
forma <- lindey_forma_agrupada(dispersion, mostrar = FALSE)
grafico <- lindey_forma_plot(forma, mostrar = FALSE)
stopifnot(inherits(grafico, "ggplot"))
```

---

lindey_frecuencia_agrupada

Frecuencia Agrupada

Description

Creates Spanish-language frequency tables for grouped, discrete, or nominal data.

Usage

```
lindey_frecuencia_agrupada(
  data,
  variable = NULL,
  k = NULL,
  amplitud = NULL,
  metodo = "sturges",
  inicio = NULL,
  decimales_amplitud = "auto",
  decimales_intervalo = "auto",
  decimales_porcentaje = 2,
  mostrar = TRUE
)
```

Arguments

data	A vector or data frame containing the data to analyze.
variable	Optional variable name or column to analyze when 'data' is a data frame.
k	Argument used by 'k'.
amplitud	Argument used by 'amplitud'.
metodo	Argument used by 'metodo'.
inicio	Argument used by 'inicio'.
decimales_amplitud	Argument used by 'decimales_amplitud'.

`decimales_intervalo`
: Argument used by 'decimales_intervalo'.

`decimales_porcentaje`
: Argument used by 'decimales_porcentaje'.

`mostrar`
: Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

`mundoLindey`

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)
tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
stopifnot(inherits(tabla, "lindey_frecuencia_agrupada"))
```

---

lindey_frecuencia_discreto

Frecuencia Discreto

Description

Creates Spanish-language frequency tables for grouped, discrete, or nominal data.

Usage

```
lindey_frecuencia_discreto(
  data,
  variable = NULL,
  valores_posibles = NULL,
  completar_valores = TRUE,
  max_completar = 100,
  orden = "valor",
  decimales_valor = "auto",
  decimales_porcentaje = 2,
  mostrar = TRUE
)
```

Arguments

data	A vector or data frame containing the data to analyze.
variable	Optional variable name or column to analyze when 'data' is a data frame.
valores_posibles	Argument used by 'valores_posibles'.
completar_valores	Argument used by 'completar_valores'.
max_completar	Argument used by 'max_completar'.
orden	Argument used by 'orden'.
decimales_valor	Argument used by 'decimales_valor'.
decimales_porcentaje	Argument used by 'decimales_porcentaje'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
tabla <- lindey_frecuencia_discreto(c(1, 1, 2, 2, 3, 4), mostrar = FALSE)
stopifnot(inherits(tabla, "lindey_frecuencia_discreto"))
```

---

lindey_frecuencia_nominal

Frecuencia Nominal

Description

Creates Spanish-language frequency tables for grouped, discrete, or nominal data.

Usage

```
lindey_frecuencia_nominal(
  data,
  variable = NULL,
  orden = "frecuencia",
  incluir_na = FALSE,
  etiqueta_na = "Sin dato",
  decimales_porcentaje = 2,
  mostrar = TRUE
)
```

Arguments

data	A vector or data frame containing the data to analyze.
variable	Optional variable name or column to analyze when 'data' is a data frame.
orden	Argument used by 'orden'.
incluir_na	Argument used by 'incluir_na'.
etiqueta_na	Argument used by 'etiqueta_na'.
decimales_porcentaje	Argument used by 'decimales_porcentaje'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
tabla <- lindey_frecuencia_nominal(c("A", "B", "A", "C"), mostrar = FALSE)
stopifnot(inherits(tabla, "lindey_frecuencia_nominal"))
```

---

lindey_histograma *Histograma*

Description

Creates a 'ggplot2' graphic from a frequency-table result produced by this package.

Usage

```
lindey_histograma(
  resultado,
  y = "fi",
  colores = "lindey",
  color_borde = "white",
  ancho_borde = 0.7,
  alpha = 0.95,
  leyenda = FALSE,
  titulo_leyenda = NULL,
  titulo = NULL,
  subtitulo = NULL,
  eje_x = NULL,
  eje_y = NULL,
```

```
  caption = "Elaborado con Mundo LINDEY",
  mostrar_valores = TRUE,
  etiqueta = "auto",
  posicion_etiqueta = "arriba",
  resaltar_moda = TRUE,
  color_moda_borde = "#0F172A",
  ancho_moda_borde = 1.2,
  mostrar_n = TRUE,
  mostrar_amplitud = TRUE,
  etiquetas_intervalo = TRUE,
  rotar_etiquetas_x = FALSE,
  expandir_y = 0.12,
  base_size = 12,
  fondo = "blanco"
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
y	Column or measure to show on the y-axis.
colores	Color palette name or vector of colors.
color_borde	Argument used by 'color_borde'.
ancho_borde	Argument used by 'ancho_borde'.
alpha	Argument used by 'alpha'.
leyenda	Argument used by 'leyenda'.
titulo_leyenda	Argument used by 'titulo_leyenda'.
titulo	Plot title.
subtitulo	Plot subtitle.
eje_x	Argument used by 'eje_x'.
eje_y	Argument used by 'eje_y'.
caption	Plot caption.
mostrar_valores	Argument used by 'mostrar_valores'.
etiqueta	Argument used by 'etiqueta'.
posicion_etiqueta	Argument used by 'posicion_etiqueta'.
resaltar_moda	Argument used by 'resaltar_moda'.
color_moda_borde	Argument used by 'color_moda_borde'.
ancho_moda_borde	Argument used by 'ancho_moda_borde'.
mostrar_n	Argument used by 'mostrar_n'.
mostrar_amplitud	Argument used by 'mostrar_amplitud'.

etiquetas_intervalo
: Argument used by 'etiquetas_intervalo'.

rotar_etiquetas_x
: Argument used by 'rotar_etiquetas_x'.

expandir_y
: Argument used by 'expandir_y'.

base_size
: Argument used by 'base_size'.

fondo
: Argument used by 'fondo'.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)
tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
grafico <- lindey_histograma(tabla)
stopifnot(inherits(grafico, "lindey_grafico"))
```

---

lindey_histograma_poligono

Histograma Poligono

Description

Creates a 'ggplot2' graphic from a frequency-table result produced by this package.

Usage

```
lindey_histograma_poligono(
  resultado,
  y = "fi",
  colores_barras = "suave",
  color_linea = "lindey",
  color_puntos = NULL,
  color_borde = "white",
  ancho_borde = 0.7,
  alpha_barras = 0.88,
  grosor_linea = 1.35,
  mostrar_puntos = TRUE,
  tamano_puntos = 3.8,
  relleno_puntos = "white",
  mostrar_valores = TRUE,
```

```
  etiqueta = "auto",
  resaltar_moda = TRUE,
  color_moda_borde = "#0F172A",
  ancho_moda_borde = 1.2,
  leyenda = FALSE,
  titulo_leyenda = "Intervalo",
  titulo = NULL,
  subtitulo = NULL,
  eje_x = NULL,
  eje_y = NULL,
  caption = "Elaborado con Mundo LINDEY",
  etiquetas_x = "intervalo",
  rotar_etiquetas_x = FALSE,
  expandir_y = 0.16,
  quitar_clases_vacias_finales = TRUE,
  base_size = 12,
  fondo = "blanco"
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
y	Column or measure to show on the y-axis.
colores_barras	Argument used by 'colores_barras'.
color_linea	Argument used by 'color_linea'.
color_puntos	Argument used by 'color_puntos'.
color_borde	Argument used by 'color_borde'.
ancho_borde	Argument used by 'ancho_borde'.
alpha_barras	Argument used by 'alpha_barras'.
grosor_linea	Argument used by 'grosor_linea'.
mostrar_puntos	Argument used by 'mostrar_puntos'.
tamano_puntos	Argument used by 'tamano_puntos'.
relleno_puntos	Argument used by 'relleno_puntos'.
mostrar_valores	Argument used by 'mostrar_valores'.
etiqueta	Argument used by 'etiqueta'.
resaltar_moda	Argument used by 'resaltar_moda'.
color_moda_borde	Argument used by 'color_moda_borde'.
ancho_moda_borde	Argument used by 'ancho_moda_borde'.
leyenda	Argument used by 'leyenda'.
titulo_leyenda	Argument used by 'titulo_leyenda'.

titulo	Plot title.
subtitulo	Plot subtitle.
eje_x	Argument used by 'eje_x'.
eje_y	Argument used by 'eje_y'.
caption	Plot caption.
etiquetas_x	Argument used by 'etiquetas_x'.
rotar_etiquetas_x	Argument used by 'rotar_etiquetas_x'.
expandir_y	Argument used by 'expandir_y'.
quitar_clases_vacias_finales	Argument used by 'quitar_clases_vacias_finales'.
base_size	Argument used by 'base_size'.
fondo	Argument used by 'fondo'.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)
tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
grafico <- lindey_histograma_poligono(tabla)
stopifnot(inherits(grafico, "lindey_grafico"))
```

---

lindey_ojiva *Ojiva*

Description

Creates a 'ggplot2' graphic from a frequency-table result produced by this package.

Usage

```
lindey_ojiva(
  resultado,
  y = "Porcentaje_acumulado",
  color_linea = "lindey",
  color_puntos = NULL,
  grosor_linea = 1.3,
  tipo_linea = "solid",
```

```
  mostrar_puntos = TRUE,
  tamano_puntos = 3.8,
  forma_puntos = 21,
  relleno_puntos = "white",
  mostrar_valores = TRUE,
  etiqueta = "auto",
  incluir_origen = TRUE,
  referencia_mediana = TRUE,
  referencias = NULL,
  color_referencia = "#64748B",
  tipo_linea_referencia = "dashed",
  titulo = NULL,
  subtitulo = NULL,
  eje_x = NULL,
  eje_y = NULL,
  caption = "Elaborado con Mundo LINDEY",
  rotar_etiquetas_x = FALSE,
  expandir_y = 0.1,
  quitar_clases_vacias_finales = TRUE,
  base_size = 12,
  fondo = "blanco"
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
y	Column or measure to show on the y-axis.
color_linea	Argument used by 'color_linea'.
color_puntos	Argument used by 'color_puntos'.
grosor_linea	Argument used by 'grosor_linea'.
tipo_linea	Argument used by 'tipo_linea'.
mostrar_puntos	Argument used by 'mostrar_puntos'.
tamano_puntos	Argument used by 'tamano_puntos'.
forma_puntos	Argument used by 'forma_puntos'.
relleno_puntos	Argument used by 'relleno_puntos'.
mostrar_valores	Argument used by 'mostrar_valores'.
etiqueta	Argument used by 'etiqueta'.
incluir_origen	Argument used by 'incluir_origen'.
referencia_mediana	Argument used by 'referencia_mediana'.
referencias	Argument used by 'referencias'.
color_referencia	Argument used by 'color_referencia'.

`tipo_linea_referencia`
: Argument used by 'tipo_linea_referencia'.

`titulo`
: Plot title.

`subtitulo`
: Plot subtitle.

`eje_x`
: Argument used by 'eje_x'.

`eje_y`
: Argument used by 'eje_y'.

`caption`
: Plot caption.

`rotar_etiquetas_x`
: Argument used by 'rotar_etiquetas_x'.

`expandir_y`
: Argument used by 'expandir_y'.

`quitar_clases_vacias_finales`
: Argument used by 'quitar_clases_vacias_finales'.

`base_size`
: Argument used by 'base_size'.

`fondo`
: Argument used by 'fondo'.

Value

An R object; see the function output for details.

See Also

`mundoLindey`

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)
tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
grafico <- lindey_ojiva(tabla)
stopifnot(inherits(grafico, "lindey_grafico"))
```

`lindey_paleta` *Paleta*

Description

Returns color palettes used by the mundoLindey graphics.

Usage

```
lindey_paleta(
  nombre = "lindey",
  n = 5
)
```

Arguments

nombre	Argument used by 'nombre'.
n	Number of trials or observations.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
colores <- lindey_paleta("lindey", 3)
stopifnot(length(colores) == 3)
```

---

lindey_pastel *Pastel*

Description

Creates a 'ggplot2' graphic from a frequency-table result produced by this package.

Usage

```
lindey_pastel(
  resultado,
  colores = "lindey",
  tipo = "pastel",
  leyenda = TRUE,
  titulo_leyenda = NULL,
  mostrar_etiquetas = TRUE,
  etiqueta = "porcentaje",
  min_porcentaje_etiqueta = 3,
  color_texto = "white",
  tamano_texto = NULL,
  fontface_texto = "bold",
  color_borde = "white",
  ancho_borde = 0.8,
  ordenar = TRUE,
  agrupar_menores = FALSE,
  min_porcentaje_otros = 3,
  etiqueta_otros = "Otros",
  titulo = NULL,
  subtitulo = NULL,
  caption = "Elaborado con Mundo LINDEY",
```

```
  base_size = 12,
  fondo = "blanco"
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
colores	Color palette name or vector of colors.
tipo	Type of calculation or display to use.
leyenda	Argument used by 'leyenda'.
titulo_leyenda	Argument used by 'titulo_leyenda'.
mostrar_etiquetas	Argument used by 'mostrar_etiquetas'.
etiqueta	Argument used by 'etiqueta'.
min_porcentaje_etiqueta	Argument used by 'min_porcentaje_etiqueta'.
color_texto	Argument used by 'color_texto'.
tamano_texto	Argument used by 'tamano_texto'.
fontface_texto	Argument used by 'fontface_texto'.
color_borde	Argument used by 'color_borde'.
ancho_borde	Argument used by 'ancho_borde'.
ordenar	Argument used by 'ordenar'.
agrupar_menores	Argument used by 'agrupar_menores'.
min_porcentaje_otros	Argument used by 'min_porcentaje_otros'.
etiqueta_otros	Argument used by 'etiqueta_otros'.
titulo	Plot title.
subtitulo	Plot subtitle.
caption	Plot caption.
base_size	Argument used by 'base_size'.
fondo	Argument used by 'fondo'.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
tabla <- lindey_frecuencia_nominal(c("A", "B", "A", "C"), mostrar = FALSE)
grafico <- lindey_pastel(tabla)
stopifnot(inherits(grafico, "lindey_grafico"))
```

lindey_pastel_discreto *Pastel Discreto*

Description

Creates a 'ggplot2' graphic from a frequency-table result produced by this package.

Usage

```
lindey_pastel_discreto(
  resultado,
  ...
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
...	Additional arguments passed to methods or plotting functions.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
tabla <- lindey_frecuencia_discreto(c(1, 1, 2, 2, 3, 4), mostrar = FALSE)
grafico <- lindey_pastel_discreto(tabla)
stopifnot(inherits(grafico, "lindey_grafico"))
```

lindey_pastel_nominal *Pastel Nominal*

Description

Creates a 'ggplot2' graphic from a frequency-table result produced by this package.

Usage

```
lindey_pastel_nominal(
  resultado,
  ...
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
...	Additional arguments passed to methods or plotting functions.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
tabla <- lindey_frecuencia_nominal(c("A", "B", "A", "C"), mostrar = FALSE)
grafico <- lindey_pastel_nominal(tabla)
stopifnot(inherits(grafico, "lindey_grafico"))
```

---

lindey_poligono *Poligono*

Description

Creates a 'ggplot2' graphic from a frequency-table result produced by this package.

Usage

```
lindey_poligono(
  resultado,
  y = "fi",
  color_linea = "lindey",
  color_puntos = NULL,
  color_area = NULL,
  grosor_linea = 1.3,
  tipo_linea = "solid",
  mostrar_puntos = TRUE,
  tamano_puntos = 3.8,
  forma_puntos = 21,
  relleno_puntos = "white",
  area = FALSE,
  alpha_area = 0.18,
  cerrar_poligono = TRUE,
  mostrar_valores = TRUE,
  etiqueta = "auto",
  titulo = NULL,
  subtitulo = NULL,
  eje_x = NULL,
```

```
  eje_y = NULL,
  caption = "Elaborado con Mundo LINDEY",
  etiquetas_x = "intervalo",
  rotar_etiquetas_x = FALSE,
  expandir_y = 0.16,
  resaltar_moda = TRUE,
  color_moda = "#0F172A",
  quitar_clases_vacias_finales = TRUE,
  base_size = 12,
  fondo = "blanco"
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
y	Column or measure to show on the y-axis.
color_linea	Argument used by 'color_linea'.
color_puntos	Argument used by 'color_puntos'.
color_area	Argument used by 'color_area'.
grosor_linea	Argument used by 'grosor_linea'.
tipo_linea	Argument used by 'tipo_linea'.
mostrar_puntos	Argument used by 'mostrar_puntos'.
tamano_puntos	Argument used by 'tamano_puntos'.
forma_puntos	Argument used by 'forma_puntos'.
relleno_puntos	Argument used by 'relleno_puntos'.
area	Argument used by 'area'.
alpha_area	Argument used by 'alpha_area'.
cerrar_poligono	Argument used by 'cerrar_poligono'.
mostrar_valores	Argument used by 'mostrar_valores'.
etiqueta	Argument used by 'etiqueta'.
titulo	Plot title.
subtitulo	Plot subtitle.
eje_x	Argument used by 'eje_x'.
eje_y	Argument used by 'eje_y'.
caption	Plot caption.
etiquetas_x	Argument used by 'etiquetas_x'.
rotar_etiquetas_x	Argument used by 'rotar_etiquetas_x'.
expandir_y	Argument used by 'expandir_y'.
resaltar_moda	Argument used by 'resaltar_moda'.

color_moda	Argument used by 'color_moda'.
quitar_clases_vacias_finales	Argument used by 'quitar_clases_vacias_finales'.
base_size	Argument used by 'base_size'.
fondo	Argument used by 'fondo'.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)
tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
grafico <- lindey_poligono(tabla)
stopifnot(inherits(grafico, "lindey_grafico"))
```

---

lindey_prob_binomial *Prob Binomial*

Description

Calculates probabilities for the binomial distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_binomial(
  n,
  p,
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "cerrado",
  formula = FALSE,
  decimales = 4,
  color_barras = "#CBD5E1",
  color_area = "#14B8A6",
  color_linea = "#F97316",
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

n	Number of trials or observations.
p	Probability of success.
tipo	Type of calculation or display to use.
x	Numeric value, vector, or result object, depending on the selected function.
x1	Lower value for interval probability calculations.
x2	Upper value for interval probability calculations.
intervalo	Argument used by 'intervalo'.
formula	Logical value indicating whether to include formula text in the result.
decimales	Number of decimal places used in displayed results.
color_barras	Argument used by 'color_barras'.
color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_binomial(n = 10, p = 0.4, x = 3, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_binomial"))
```

---

lindey_prob_binomial_negativa

Prob Binomial Negativa

Description

Calculates probabilities for the binomial negativa distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_binomial_negativa(
  r = NULL,
  size = NULL,
  p,
  parametrizacion = "fracasos",
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "cerrado",
  formula = FALSE,
  decimales = 4,
  max_barras = 100,
  color_barras = "#CBD5E1",
  color_area = "#14B8A6",
  color_linea = "#F97316",
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

r	Number of successes.
size	Size parameter.
p	Probability of success.
parametrizacion	Argument used by 'parametrizacion'.
tipo	Type of calculation or display to use.
x	Numeric value, vector, or result object, depending on the selected function.
x1	Lower value for interval probability calculations.
x2	Upper value for interval probability calculations.
intervalo	Argument used by 'intervalo'.
formula	Logical value indicating whether to include formula text in the result.
decimales	Number of decimal places used in displayed results.
max_barras	Argument used by 'max_barras'.
color_barras	Argument used by 'color_barras'.
color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_binomial_negativa(r = 3, p = 0.4, x = 2, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_binomial_negativa"))
```

---

lindey_prob_chi_cuadrado

Prob Chi Cuadrado

Description

Calculates probabilities for the chi cuadrado distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_chi_cuadrado(
  gl = NULL,
  df = NULL,
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "abierto",
  formula = FALSE,
  decimales = 4,
  color_curva = "#0F172A",
  color_area = "#14B8A6",
  color_linea = "#F97316",
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

gl	Degrees of freedom.
df	Degrees of freedom.
tipo	Type of calculation or display to use.
x	Numeric value, vector, or result object, depending on the selected function.
x1	Lower value for interval probability calculations.
x2	Upper value for interval probability calculations.
intervalo	Argument used by 'intervalo'.

formula	Logical value indicating whether to include formula text in the result.
decimales	Number of decimal places used in displayed results.
color_curva	Argument used by 'color_curva'.
color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_chi_cuadrado(gl = 3, x = 2, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_chi_cuadrado"))
```

---

lindey_prob_exponencial

Prob Exponencial

Description

Calculates probabilities for the exponencial distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_exponencial(
  lambda = NULL,
  media = NULL,
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "abierto",
  formula = FALSE,
  decimales = 4,
  unidad = "unidades",
  color_curva = "#0F172A",
  color_area = "#14B8A6",
  color_linea = "#F97316",
```

```
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

lambda	Rate or mean parameter, depending on the distribution.
media	Mean parameter.
tipo	Type of calculation or display to use.
x	Numeric value, vector, or result object, depending on the selected function.
x1	Lower value for interval probability calculations.
x2	Upper value for interval probability calculations.
intervalo	Argument used by 'intervalo'.
formula	Logical value indicating whether to include formula text in the result.
decimales	Number of decimal places used in displayed results.
unidad	Argument used by 'unidad'.
color_curva	Argument used by 'color_curva'.
color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_exponencial(lambda = 0.5, x = 2, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_exponencial"))
```

lindey_prob_f *Prob f*

Description

Calculates probabilities for the f distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_f(
  gl1 = NULL,
  gl2 = NULL,
  df1 = NULL,
  df2 = NULL,
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "abierto",
  formula = FALSE,
  decimales = 4,
  color_curva = "#0F172A",
  color_area = "#14B8A6",
  color_linea = "#F97316",
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

gl1	First degrees-of-freedom parameter.
gl2	Second degrees-of-freedom parameter.
df1	First degrees-of-freedom parameter.
df2	Second degrees-of-freedom parameter.
tipo	Type of calculation or display to use.
x	Numeric value, vector, or result object, depending on the selected function.
x1	Lower value for interval probability calculations.
x2	Upper value for interval probability calculations.
intervalo	Argument used by 'intervalo'.
formula	Logical value indicating whether to include formula text in the result.
decimales	Number of decimal places used in displayed results.
color_curva	Argument used by 'color_curva'.

color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_f(gl1 = 3, gl2 = 10, x = 2, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_f"))
```

---

lindey_prob_geometrica_1

Prob Geometrica 1

Description

Calculates probabilities for the geometrica 1 distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_geometrica_1(
  p,
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "cerrado",
  formula = FALSE,
  decimales = 4,
  max_barras = 80,
  color_barras = "#CBD5E1",
  color_area = "#14B8A6",
  color_linea = "#F97316",
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

p	Probability of success.
tipo	Type of calculation or display to use.
x	Numeric value, vector, or result object, depending on the selected function.
x1	Lower value for interval probability calculations.
x2	Upper value for interval probability calculations.
intervalo	Argument used by 'intervalo'.
formula	Logical value indicating whether to include formula text in the result.
decimales	Number of decimal places used in displayed results.
max_barras	Argument used by 'max_barras'.
color_barras	Argument used by 'color_barras'.
color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_geometrica_1(p = 0.25, x = 3, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_geometrica_1"))
```

---

lindey_prob_geometrica_2

Prob Geometrica 2

Description

Calculates probabilities for the geometrica 2 distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_geometrica_2(
  p,
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "cerrado",
  formula = FALSE,
  decimales = 4,
  max_barras = 80,
  color_barras = "#CBD5E1",
  color_area = "#14B8A6",
  color_linea = "#F97316",
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

p	Probability of success.
tipo	Type of calculation or display to use.
x	Numeric value, vector, or result object, depending on the selected function.
x1	Lower value for interval probability calculations.
x2	Upper value for interval probability calculations.
intervalo	Argument used by 'intervalo'.
formula	Logical value indicating whether to include formula text in the result.
decimales	Number of decimal places used in displayed results.
max_barras	Argument used by 'max_barras'.
color_barras	Argument used by 'color_barras'.
color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_geometrica_2(p = 0.25, x = 3, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_geometrica_2"))
```

`lindey_prob_hipergeometrica` *Prob Hipergeometrica*

Description

Calculates probabilities for the hipergeometrica distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_hipergeometrica(
  N,
  K,
  n,
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "cerrado",
  formula = FALSE,
  decimales = 4,
  max_barras = 300,
  color_barras = "#CBD5E1",
  color_area = "#14B8A6",
  color_linea = "#F97316",
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

`N`	Population size.
`K`	Number of success states in the population.
`n`	Number of trials or observations.
`tipo`	Type of calculation or display to use.
`x`	Numeric value, vector, or result object, depending on the selected function.
`x1`	Lower value for interval probability calculations.
`x2`	Upper value for interval probability calculations.
`intervalo`	Argument used by 'intervalo'.

formula	Logical value indicating whether to include formula text in the result.
decimales	Number of decimal places used in displayed results.
max_barras	Argument used by 'max_barras'.
color_barras	Argument used by 'color_barras'.
color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_hipergeometrica(N = 20, K = 7, n = 5, x = 2, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_hipergeometrica"))
```

---

lindey_prob_normal *Prob Normal*

Description

Calculates probabilities for the normal distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_normal(
  media = 0,
  desviacion = 1,
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "abierto",
  decimales = 4,
  color_curva = "#0F172A",
  color_area = "#14B8A6",
  color_linea = "#F97316",
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

media	Mean parameter.
desviacion	Standard deviation.
tipo	Type of calculation or display to use.
x	Numeric value, vector, or result object, depending on the selected function.
x1	Lower value for interval probability calculations.
x2	Upper value for interval probability calculations.
intervalo	Argument used by 'intervalo'.
decimales	Number of decimal places used in displayed results.
color_curva	Argument used by 'color_curva'.
color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_normal(media = 0, desviacion = 1, x = 1, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_normal"))
```

---

lindey_prob_poisson *Prob Poisson*

Description

Calculates probabilities for the poisson distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_poisson(
  lambda = NULL,
  media = NULL,
  mu = NULL,
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "cerrado",
  formula = FALSE,
  decimales = 4,
  max_barras = 120,
  color_barras = "#CBD5E1",
  color_area = "#14B8A6",
  color_linea = "#F97316",
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

lambda	Rate or mean parameter, depending on the distribution.
media	Mean parameter.
mu	Mean parameter.
tipo	Type of calculation or display to use.
x	Numeric value, vector, or result object, depending on the selected function.
x1	Lower value for interval probability calculations.
x2	Upper value for interval probability calculations.
intervalo	Argument used by 'intervalo'.
formula	Logical value indicating whether to include formula text in the result.
decimales	Number of decimal places used in displayed results.
max_barras	Argument used by 'max_barras'.
color_barras	Argument used by 'color_barras'.
color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_poisson(lambda = 3, x = 4, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_poisson"))
```

---

lindey_prob_t *Prob t*

Description

Calculates probabilities for the t distribution and returns a Spanish-language summary with optional graphics.

Usage

```
lindey_prob_t(
  gl = NULL,
  df = NULL,
  tipo = "menor",
  x = NULL,
  x1 = NULL,
  x2 = NULL,
  intervalo = "abierto",
  formula = FALSE,
  decimales = 4,
  color_curva = "#0F172A",
  color_area = "#14B8A6",
  color_linea = "#F97316",
  color_media = "#475569",
  mostrar = TRUE
)
```

Arguments

gl	Degrees of freedom.
df	Degrees of freedom.
tipo	Type of calculation or display to use.
x	Numeric value, vector, or result object, depending on the selected function.
x1	Lower value for interval probability calculations.
x2	Upper value for interval probability calculations.
intervalo	Argument used by 'intervalo'.
formula	Logical value indicating whether to include formula text in the result.

decimales	Number of decimal places used in displayed results.
color_curva	Argument used by 'color_curva'.
color_area	Argument used by 'color_area'.
color_linea	Argument used by 'color_linea'.
color_media	Argument used by 'color_media'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
resultado <- lindey_prob_t(gl = 10, x = 1, mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_prob_t"))
```

---

lindey_tendencia_agrupada

Tendencia Agrupada

Description

Calculates or visualizes measures of central tendency for grouped data.

Usage

```
lindey_tendencia_agrupada(
  resultado,
  tipo = c("muestra", "poblacion"),
  decimales = 4,
  calcular_moda_multiple = FALSE,
  mostrar = TRUE
)
```

Arguments

resultado	A result object returned by a mundoLindey frequency-table function.
tipo	Type of calculation or display to use.
decimales	Number of decimal places used in displayed results.
calcular_moda_multiple	Argument used by 'calcular_moda_multiple'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)
tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
tendencia <- lindey_tendencia_agrupada(tabla, mostrar = FALSE)
stopifnot(inherits(tendencia, "lindey_tendencia_agrupada"))
```

---

lindey_tendencia_plot *Tendencia Plot*

Description

Calculates or visualizes measures of central tendency for grouped data.

Usage

```
lindey_tendencia_plot(
  x,
  tipo = c("muestra", "poblacion"),
  calcular_moda_multiple = TRUE,
  decimales = 2,
  tol = 1e-06,
  titulo = "Medidas de tendencia central",
  mostrar_valores = TRUE,
  mostrar_nota = TRUE,
  color_curva = "#D97706",
  color_relleno = "#F8E7C7",
  color_media = "#2563EB",
  color_mediana = "#F59E0B",
  color_moda = "#EF4444",
  color_texto = "#111827",
  mostrar = TRUE
)
```

Arguments

x	Numeric value, vector, or result object, depending on the selected function.
tipo	Type of calculation or display to use.
calcular_moda_multiple	Argument used by 'calcular_moda_multiple'.

decimales	Number of decimal places used in displayed results.
tol	Argument used by 'tol'.
titulo	Plot title.
mostrar_valores	Argument used by 'mostrar_valores'.
mostrar_nota	Argument used by 'mostrar_nota'.
color_curva	Argument used by 'color_curva'.
color_relleno	Argument used by 'color_relleno'.
color_media	Argument used by 'color_media'.
color_mediana	Argument used by 'color_mediana'.
color_moda	Argument used by 'color_moda'.
color_texto	Argument used by 'color_texto'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
datos <- c(8.5, 9.2, 10.1, 11.4, 12.8, 13.1, 14.7, 15.2, 16.9, 18.3)
tabla <- lindey_frecuencia_agrupada(datos, mostrar = FALSE)
grafico <- lindey_tendencia_plot(tabla, mostrar = FALSE)
stopifnot(inherits(grafico, "ggplot"))
```

---

lindey_tipo_variable *Tipo Variable*

Description

Classifies variables and suggests suitable descriptive analyses and graphics.

Usage

```
lindey_tipo_variable(
  data,
  variable = NULL,
  ordinales = NULL,
  max_categorias_numerica = 10,
  mostrar = TRUE
)
```

Arguments

data	A vector or data frame containing the data to analyze.
variable	Optional variable name or column to analyze when 'data' is a data frame.
ordinales	Argument used by 'ordinales'.
max_categorias_numerica	Argument used by 'max_categorias_numerica'.
mostrar	Logical value indicating whether to print the formatted summary.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
datos <- data.frame(nota = c(12, 15, 14, 18))
resultado <- lindey_tipo_variable(datos, "nota", mostrar = FALSE)
stopifnot(inherits(resultado, "lindey_tipo_variable"))
```

---

theme_lindey *Theme Lindey*

Description

Returns a 'ggplot2' theme used by mundoLindey graphics.

Usage

```
theme_lindey(
  base_size = 12,
  base_family = "",
  fondo = "blanco",
  leyenda_posicion = "right"
)
```

Arguments

base_size	Argument used by 'base_size'.
base_family	Argument used by 'base_family'.
fondo	Argument used by 'fondo'.
leyenda_posicion	Argument used by 'leyenda_posicion'.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
tema <- theme_lindey()
stopifnot(inherits(tema, "theme"))
```

---

theme_lindey_pastel *Theme Lindey Pastel*

Description

Returns a 'ggplot2' theme used by mundoLindey graphics.

Usage

```
theme_lindey_pastel(
  base_size = 12,
  fondo = "blanco",
  leyenda_posicion = "right"
)
```

Arguments

base_size	Argument used by 'base_size'.
fondo	Argument used by 'fondo'.
leyenda_posicion	Argument used by 'leyenda_posicion'.

Value

An R object; see the function output for details.

See Also

mundoLindey

Examples

```
tema <- theme_lindey_pastel()
stopifnot(inherits(tema, "theme"))
```

`theme_lindey_prob` *Theme Lindey Prob*

Description

Returns a 'ggplot2' theme used by mundoLindey graphics.

Usage

```
theme_lindey_prob(
  base_size = 13
)
```

Arguments

`base_size`	Argument used by 'base_size'.

Value

An R object; see the function output for details.

See Also

`mundoLindey`

Examples

```
tema <- theme_lindey_prob()
stopifnot(inherits(tema, "theme"))
```

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