Package: PRMethods (via r-universe)

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Type Package

Title D-Hondt, Sainte-Lague, and Modified Sainte-Lague Methods for Seat Allocation

Version 0.1.0

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Description Calculates seat allocation using the D-Hondt method, Sainte-Lague method, and Modified Sainte-Lague method, all commonly used in proportional representation electoral systems. For more information on these methods, see Michael Gallagher (1991)<doi:10.1016/0261-3794(91)90004-C>.

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Repository https://paubelloperez.r-universe.dev

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dhondt   *DHondt method for seats allocation.*

Description

DHondt method for seats allocation.

Usage

```
dhondt(votes, seats, threshold = 0, verbose = TRUE)
```

Arguments

votes	Un vector con los votos de cada partido.
seats	Total de seats a repartir.
threshold	Umbral electoral
verbose	Muestra los resultados en la consola

Value

Un vector con los seats asignados a cada partido.

Examples

```
votes <- c(A = 100000, B = 75000, C = 50000, D = 25000)
dhondt(votes, 10)
```

---

saintelague   *Sainte-Lague method for seats allocation.*

Description

Sainte-Lague method for seats allocation.

Usage

```
saintelague(votes, seats, threshold = 0, verbose = TRUE)
```

Arguments

votes	Un vector con los votos de cada partido.
seats	Total de seats a repartir.
threshold	Umbral electoral
verbose	Muestra los resultados en la consola

Value

Un vector con los seats asignados a cada partido.

Examples

```
votes <- c(A = 100000, B = 75000, C = 50000, D = 25000)
saintelague(votes, 10)
```

---

saintelaguemod	*Modified Sainte-Lague method for seats allocation.*

Description

Modified Sainte-Lague method for seats allocation.

Usage

```
saintelaguemod(votes, seats, threshold = 0, div = 1.4, verbose = TRUE)
```

Arguments

votes	Un vector con los votos de cada partido.
seats	Total de seats a repartir.
threshold	Umbral electoral
div	Divisor modificado en Modified Sainte-Lague
verbose	Muestra los resultados en la consola

Value

Un vector con los seats asignados a cada partido.

Examples

```
votes <- c(A = 100000, B = 75000, C = 50000, D = 25000)
saintelaguemod(votes, 10)
```

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