

# Package ‘DeductiveR’

October 12, 2022

**Type** Package

**Title** Deductive Rational Method

**Version** 1.0.0

**Date** 2021-11-22

**Description** Apply the Deductive Rational Method to a monthly series of flow or precipitation data to fill in missing data. The method is as described in: Campos, D.F., (1984, ISBN:9686194444).

**License** GPL-3

**Encoding** UTF-8

**RoxygenNote** 7.1.1

**Imports** dplyr, reshape2, ggplot2, moments

**Suggests** rmarkdown, knitr

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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DR	<i>Apply the Deductive Rational Method to a monthly series of flow or precipitation data to fill in missing data.</i>
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**Description**

Apply the Deductive Rational Method to a monthly series of flow or precipitation data to fill in missing data.

**Usage**

```
DR(data)
```

**Arguments**

data	data frame with columns: date - year - month - day - station (Type date and numeric the rest)
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**Value**

DR\_final: data frame with monthly values that result from the application of the Deductive Rational Method

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DR_plot	<i>Plot the result from the application of the Deductive Rational Method</i>
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**Description**

Plot the result from the application of the Deductive Rational Method

**Usage**

```
DR_plot(dr)
```

**Arguments**

dr	data frame from DR function
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**Value**

None

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DR_stats	<i>Statistics for the result from the application of the Deductive Rational Method</i>
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**Description**

Statistics for the result from the application of the Deductive Rational Method

**Usage**

```
DR_stats(dr)
```

**Arguments**

dr                    data frame from DR function

**Value**

data\_long\_month: data frame with statistical summary of monthly value that result from the application of the Deductive Rational Method

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