# Validate

## Basic workflow

1. Store rules using validate function

Text, letter

Description automatically generated

1. Check rules with confront function



Graphical user interface, text, application

Description automatically generated

1. Summary results

|  |
| --- |
|  |
|  |

## Filter row problems

Graphical user interface, text

Description automatically generated

If we applied a rule by groups, we just need to get the unique value of those problems.

Graphical user interface, text, application

Description automatically generated

## Ruling tips

1. Use all and any (or **all\_complete**)

Text

Description automatically generated

1. Adding rules

A picture containing logo

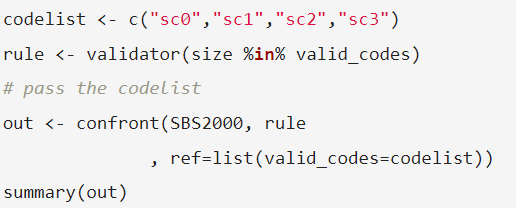
Description automatically generated

1. Saving variables

Text, letter

Description automatically generated

1. Adding variables from global env



1. Changing inequation and equation tolerances

Graphical user interface, text, application, email

Description automatically generated

## Validate functions

### By row functions

**If**

**Graphical user interface, text, application, email

Description automatically generated**

**field\_length:** nchar(as.character(size)) >= 2

**A picture containing text

Description automatically generated**

**in\_range:**

**Graphical user interface, application

Description automatically generated**

**%vin%:**

**Graphical user interface, application

Description automatically generated with medium confidence**

**is\_unique:**

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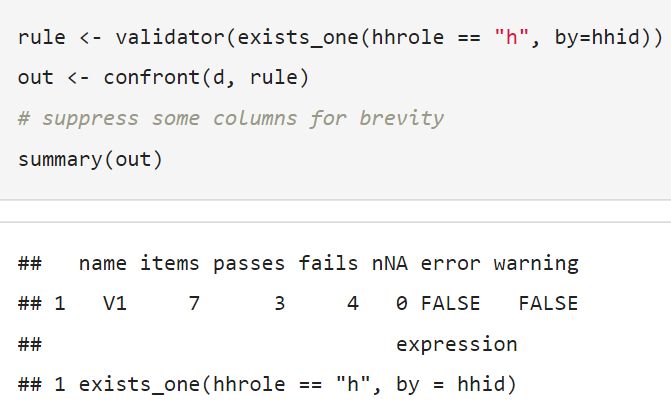
### By group functions

**do\_by:**

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|  |  |
| --- | --- |
| **exists\_one** | **exists\_any** |
| Checks is\_unique for a value in a group. | Checks if there is one value por group. |



|  |  |  |
| --- | --- | --- |
| **contains\_exactly** | **contains\_at\_least** | **does\_not\_contain** |
| Checks if a data.frame has all combinations listed in the validate data.frame. | Checks if a data.frame is not missing any combination given in the validate data.frame. | Checks if a data.frame don’t have any combination given in the validate data.frame. |

**Graphical user interface, text, application

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**rx:** extends to the validate data.frame to be a list of regular expressions.

Graphical user interface, text, application, email

Description automatically generated

**is\_linear\_sequence:** Checks if there is a constant distance between each two elements.

|  |  |
| --- | --- |
| **Graphical user interface, text, application, email  Description automatically generated** |  |

**in\_linear\_sequence:** Checks the linear sequence by row.

**Graphical user interface, text, application

Description automatically generated**

**hierarchy:** the volumes for subclasses "01.11" and "01.12" add up to "01.1" (30+40=70).

**Graphical user interface

Description automatically generated with medium confidence**