LABORATÓRIO 1: Regressão Linear Simples

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Sumário

Quarto

Quarto enables you to weave together content and executable code into a finished document. To learn more about Quarto see https://quarto.org.

- sexo (**sex**);
- largura do crânio (**skullw**);
- comprimento total (**totlngth**).

Running Code

When you click the **Render** button a document will be generated that includes both content and the output of embedded code. You can embed code like this:

You can add options to executable code like this

```
[1] 4
```

The `echo: false` option disables the printing of code (only output is displayed).

Questão 2

```
Rows: 768
Columns: 9
$ pregnant  <int> 6, 1, 8, 1, 0, 5, 3, 10, 2, 8, 4, 10, 10, 1, 5, 7, 0, 7, 1, ~
$ glucose   <int> 148, 85, 183, 89, 137, 116, 78, 115, 197, 125, 110, 168, 139~
$ diastolic <int> 72, 66, 64, 66, 40, 74, 50, 0, 70, 96, 92, 74, 80, 60, 72, 0~
$ triceps   <int> 35, 29, 0, 23, 35, 0, 32, 0, 45, 0, 0, 0, 0, 23, 19, 0, 47, ~
$ insulin   <int> 0, 0, 0, 94, 168, 0, 88, 0, 543, 0, 0, 0, 0, 846, 175, 0, 23~
```

```
$ bmi      <dbl> 33.6, 26.6, 23.3, 28.1, 43.1, 25.6, 31.0, 35.3, 30.5, 0.0, 3~
$ diabetes <dbl> 0.627, 0.351, 0.672, 0.167, 2.288, 0.201, 0.248, 0.134, 0.15~
$ age      <int> 50, 31, 32, 21, 33, 30, 26, 29, 53, 54, 30, 34, 57, 59, 51, ~
$ test     <int> 1, 0, 1, 0, 1, 0, 1, 0, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 0, 1, ~
```

Item a

```
   pregnant          glucose          diastolic          triceps
 Min.   : 0.000   Min.   :  0.0    Min.   :  0.00    Min.   : 0.00
 1st Qu.: 1.000   1st Qu.: 99.0    1st Qu.: 62.00    1st Qu.: 0.00
 Median : 3.000   Median :117.0    Median : 72.00    Median :23.00
 Mean   : 3.845   Mean   :120.9    Mean   : 69.11    Mean   :20.54
 3rd Qu.: 6.000   3rd Qu.:140.2    3rd Qu.: 80.00    3rd Qu.:32.00
 Max.   :17.000   Max.   :199.0    Max.   :122.00    Max.   :99.00
    insulin           bmi             diabetes           age
 Min.   :  0.0    Min.   :  0.00   Min.   :0.0780    Min.   :21.00
 1st Qu.:  0.0    1st Qu.:27.30    1st Qu.:0.2437    1st Qu.:24.00
 Median : 30.5    Median :32.00    Median :0.3725    Median :29.00
 Mean   : 79.8    Mean   :31.99    Mean   :0.4719    Mean   :33.24
 3rd Qu.:127.2    3rd Qu.:36.60    3rd Qu.:0.6262    3rd Qu.:41.00
 Max.   :846.0    Max.   :67.10    Max.   :2.4200    Max.   :81.00
      test
 Min.   :0.000
 1st Qu.:0.000
 Median :0.000
 Mean   :0.349
 3rd Qu.:1.000
 Max.   :1.000
```