Tarea_final

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Informe prueba

Texto para evaluacion del curso practicando el uso de quarto y github

You can add options to executable code like this

Analisis de base de datos de la acidez del vino tinto

Re-Escalado

```
#| echo: false

ruta_red_a =scale(ruta_red, center=T, scale = T) %>% as.data.frame()

ruta_red_a %>% head() %>% kable() %>% kable_classic_2(full_width=F)
```

Tabla 1: composicion quimica del vino

Modelo 1

```
       fixed.acidity     volatile.acidity          citric.acid
            3.658607             1.784662             3.174341
      residual.sugar            chlorides  free.sulfur.dioxide
            1.507451             1.452353             1.855065
```

fixed.acidity	volatile.acidity	citric.acid	residual.sugar	chlorides	free.sulfur.dioxide	total.sulfur.dioxid
7.4	0.70	0.00	1.9	0.076	11	3
7.8	0.88	0.00	2.6	0.098	25	6
7.8	0.76	0.04	2.3	0.092	15	5
11.2	0.28	0.56	1.9	0.075	17	6
7.4	0.70	0.00	1.9	0.076	11	3
7.4	0.66	0.00	1.8	0.075	13	4

fixed.acidity	volatile.acidity	citric.acid	residual.sugar	chlorides	free.sulfur.dioxide	total.sulfur.diox
-0.5281944	0.9615758	-1.391037	-0.4530767	-0.2436305	-0.4660467	-0.3790
-0.2984541	1.9668271	-1.391037	0.0434026	0.2238052	0.8723653	0.6241
-0.2984541	1.2966596	-1.185699	-0.1693742	0.0963227	-0.0836433	0.2289
1.6543385	-1.3840105	1.483689	-0.4530767	-0.2648775	0.1075584	0.4113
-0.5281944	0.9615758	-1.391037	-0.4530767	-0.2436305	-0.4660467	-0.3790
-0.5281944	0.7381867	-1.391037	-0.5240023	-0.2648775	-0.2748450	-0.1966

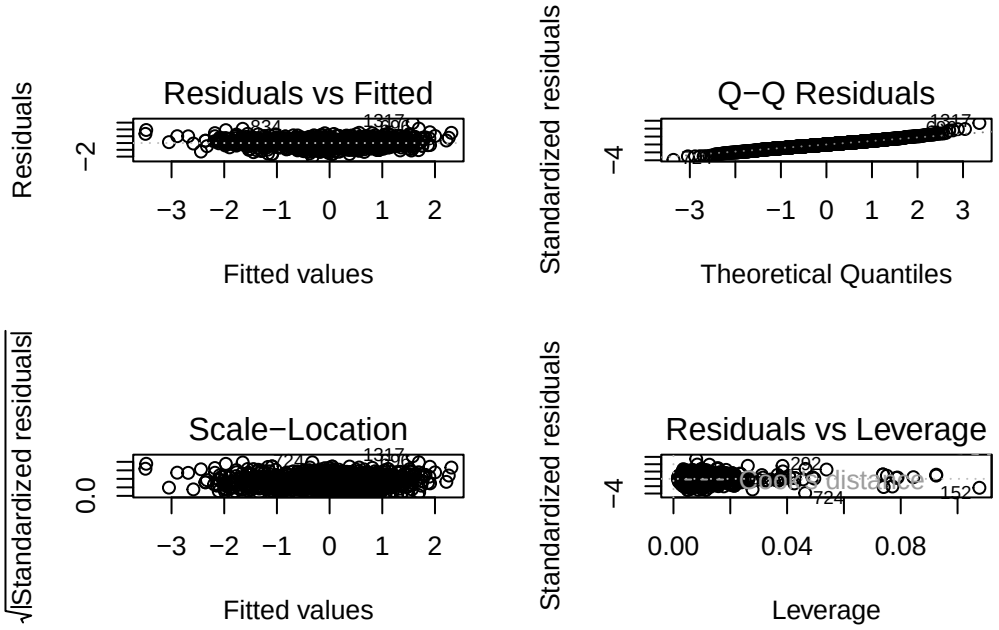
```
total.sulfur.dioxide              density            sulphates
            2.052746             4.087443             1.443439
             alcohol
            2.197879
```

Modelo 2

```
#| echo: false
lm2=update(lm1,.~.-density)

AIC(lm1, lm2)
```

```
    df      AIC
lm1 12 2099.139
lm2 11 2630.568
```


Residuals vs Fitted
Residuals
Fitted values
Q−Q Residuals
Standardized residuals
Theoretical Quantiles
Scale−Location
√|Standardized residuals|
Fitted values
Residuals vs Leverage
Standardized residuals
Leverage
Cook's distance