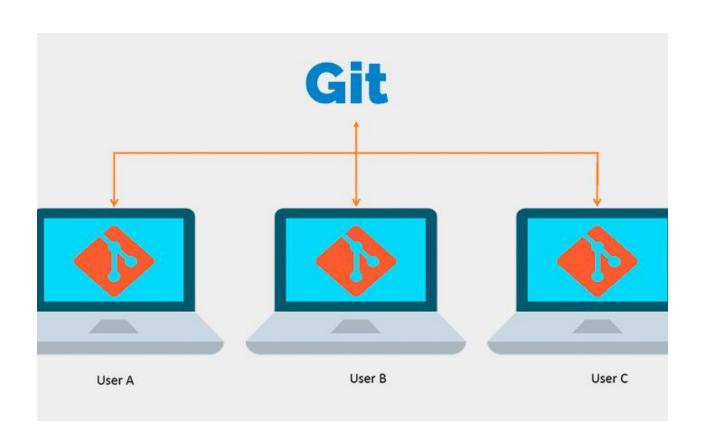
Herramientas computacionales

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¿Como utilizar Git?



- - git clone
- - git add -A
- - git commit -m "Comentario"
- - git push origin main



¿Para qué sirve GitHub?

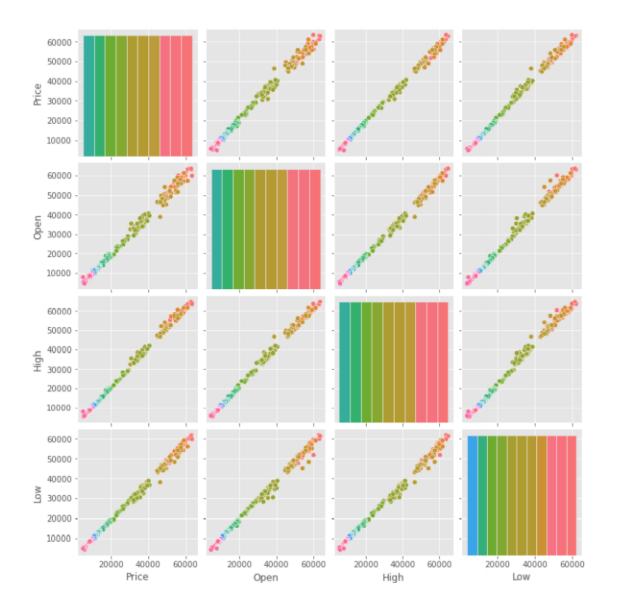
• GitHub es una herramienta de trabajo colaborativo donde su principal objetivo es la gestión de proyectos y controlar las versiones de código.

¿Qué tan volátil es el precio del Bitcoin?

```
In [53]: data['Price'].std()
Out[53]: 8888.395158961683
In [52]: data['Price'].median()
Out[52]: 567.6
In [56]: data['Price'].mean()
Out[56]: 4334.1069123253
```

Al analizar estos datos tenemos una desviacion estandar muy alta por lo que me lleva a deducir que su precio es muy cambiante respecto a esta cryptomoneda, como media se tiene que el valor medio es de 567.6 y por ultimo se tiene un promedio de sus 3935 datos que se tiene registro desde julio de 2010 dando un valor de 4334.1069

¿Qué probabilidad hay de éxito en la compra de un Bitcoin?



¿Cuál es el valor máximo y mínimo del Bitcoin?

In [38]: data

Out[38]:

Date	Price	Open	High	Low	Volume	Change
Apr 25, 2021	49561.9	50088.2	50438.8	49226.5	66.26K	- 1.05%
Apr 24, 2021	50088.9	51140.8	51183.0	48775.2	82.25K	- 2.06%
Apr 23, 2021	51143.6	51707.1	52099.9	47659.4	214.46K	-1.13%
Apr 22, 2021	51729.5	53821.3	55408.4	50590.9	168.13K	- 3.88%
Apr 21, 2021	53820.2	56479.5	56764.4	53657.6	100.26K	- 4.71%
Jul 22, 2010	0.1	0.1	0.1	0.1	2.16K	0.00%
Jul 21, 2010	0.1	0.1	0.1	0.1	0.58K	0.00%
Jul 20, 2010	0.1	0.1	0.1	0.1	0.26K	0.00%
Jul 19, 2010	0.1	0.1	0.1	0.1	0.57K	0.00%
Jul 18, 2010	0.1	0.0	0.1	0.1	0.08K	0.00%
	Apr 25, 2021 Apr 24, 2021 Apr 23, 2021 Apr 22, 2021 Apr 21, 2021 Jul 22, 2010 Jul 21, 2010 Jul 20, 2010 Jul 19, 2010	Apr 25, 2021 49561.9 Apr 24, 2021 50088.9 Apr 23, 2021 51143.6 Apr 22, 2021 51729.5 Apr 21, 2021 53820.2 Jul 22, 2010 0.1 Jul 20, 2010 0.1 Jul 19, 2010 0.1	Apr 25, 2021 49561.9 50088.2 Apr 24, 2021 50088.9 51140.8 Apr 23, 2021 51143.6 51707.1 Apr 22, 2021 51729.5 53821.3 Apr 21, 2021 53820.2 56479.5 Jul 22, 2010 0.1 0.1 Jul 21, 2010 0.1 0.1 Jul 20, 2010 0.1 0.1 Jul 19, 2010 0.1 0.1	Apr 25, 2021 49561.9 50088.2 50438.8 Apr 24, 2021 50088.9 51140.8 51183.0 Apr 23, 2021 51143.6 51707.1 52099.9 Apr 22, 2021 51729.5 53821.3 55408.4 Apr 21, 2021 53820.2 56479.5 56764.4 Jul 22, 2010 0.1 0.1 0.1 Jul 21, 2010 0.1 0.1 0.1 Jul 20, 2010 0.1 0.1 0.1 Jul 19, 2010 0.1 0.1 0.1	Apr 25, 2021 49561.9 50088.2 50438.8 49226.5 Apr 24, 2021 50088.9 51140.8 51183.0 48775.2 Apr 23, 2021 51143.6 51707.1 52099.9 47659.4 Apr 22, 2021 51729.5 53821.3 55408.4 50590.9 Apr 21, 2021 53820.2 56479.5 56764.4 53657.6 Jul 22, 2010 0.1 0.1 0.1 0.1 Jul 21, 2010 0.1 0.1 0.1 0.1 Jul 20, 2010 0.1 0.1 0.1 0.1 Jul 19, 2010 0.1 0.1 0.1 0.1	Apr 25, 2021 49561.9 50088.2 50438.8 49226.5 66.26K Apr 24, 2021 50088.9 51140.8 51183.0 48775.2 82.25K Apr 23, 2021 51143.6 51707.1 52099.9 47659.4 214.46K Apr 22, 2021 51729.5 53821.3 55408.4 50590.9 168.13K Apr 21, 2021 53820.2 56479.5 56764.4 53657.6 100.26K Jul 22, 2010 0.1 0.1 0.1 0.1 2.16K Jul 21, 2010 0.1 0.1 0.1 0.1 0.58K Jul 20, 2010 0.1 0.1 0.1 0.1 0.26K Jul 19, 2010 0.1 0.1 0.1 0.57K

3935 rows × 7 columns

¿Cuál es el promedio de crecimiento?

```
In [54]: data['Price'].describe()
 Out[54]: count
                    3935.000000
                    4334.106912
          mean
          std
                    8888.395159
          min
                       0.100000
          25%
                     72.550000
          50%
                     567.600000
          75%
                    6583.550000
                   63540.900000
          max
          Name: Price, dtype: float64
In [56]: | data['Price'].mean()
Out[56]: 4334.1069123253
```

¿Cuál fue el precio más estable?

```
In [52]: data['Price'].median()
Out[52]: 567.6
```