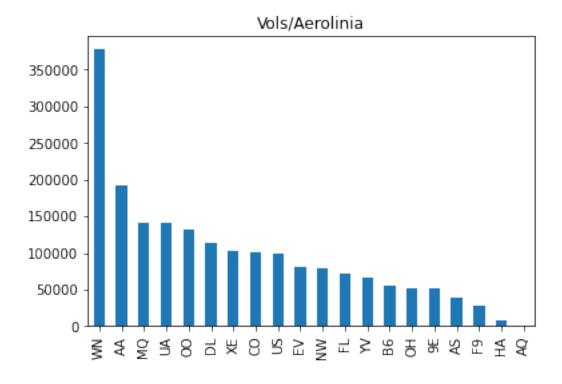
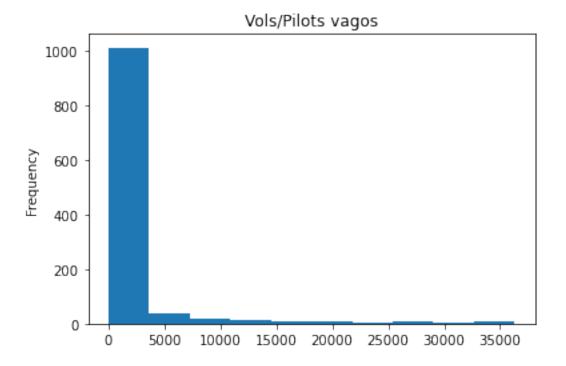
S04T01

September 26, 2021

1 Exercici 1 i 2

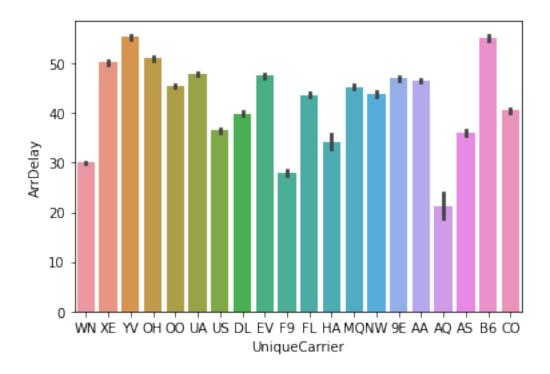


```
[2]: fig1.get_figure().savefig('fig1.png')
```

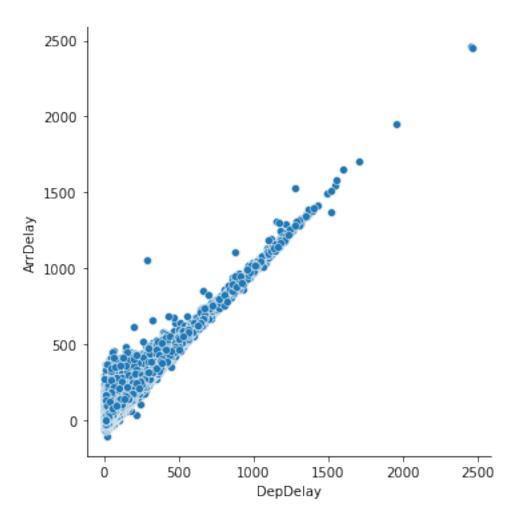


```
[13]: fig2.get_figure().savefig('fig2.png')

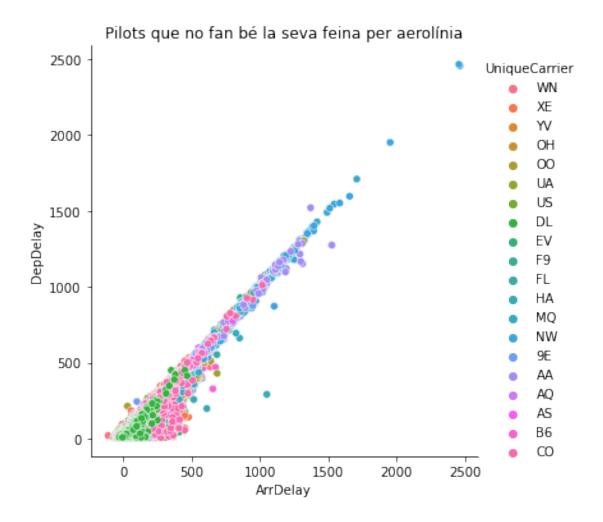
[3]: import seaborn as sns
    fig3=sns.barplot(y="ArrDelay", x="UniqueCarrier", data=coses)
    plt.show()
```

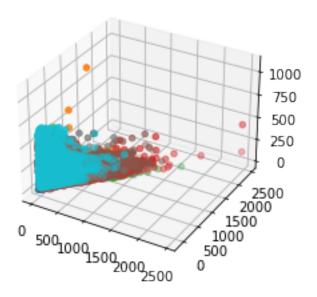


```
[15]: fig3.get_figure().savefig('fig3.png')
[16]: fig4=sns.relplot(y="ArrDelay", x="DepDelay", data=coses)
    plt.show()
```



```
[18]: fig4.savefig('fig4.png')
[19]: fig5=sns.relplot(x="ArrDelay", y="DepDelay", hue="UniqueCarrier", data=coses)
    plt.title("Pilots que no fan bé la seva feina per aerolínia")
    plt.show()
```





```
[23]: fig6.get_figure().savefig('fig6.png')
```

2 Exercici 3

```
[4]: coses["VelocitatMitjanaDeVol"]=coses["Distance"]/coses["AirTime"]
coses["NoCobraPerPuntualitat"]=coses["ArrDelay"]==0
coses[:5]
```

	coses[.J]										
[4]:		Unnamed:	0	Year	Month	DayofMont	:h	DayOfWeek	DepTime	CRSDepTime	\
	0		0	2008	1	•	3	4	2003.0	1955	
	1		1	2008	1		3	4	754.0	735	
	2		2	2008	1		3	4	628.0	620	
	3		4	2008	1		3	4	1829.0	1755	
	4		5	2008	1		3	4	1940.0	1915	
		ArrTime	CR	SArrTin	ne Unio	queCarrier		Cancelled	Cancella	tionCode \	
	0	2211.0		222	25	WN		0		N	
	1	1002.0		100	00	WN		0		N	
	2	804.0		7!	50	WN	•••	0		N	
	3	1959.0		192	25	WN		0		N	
	4	2121.0	2110		WN	•••	0	N			
		Diverted	CarrierDelay		WeatherDelay		NASDelay	Security	Delay \		
	0	0	NaN		NaN		NaN		NaN		
	1	0	NaN		NaN		NaN		NaN		
	2	0			NaN	1	1aN	NaN		NaN	

3	0	2.0	0.0	0.0	0.0
4	0	NaN	NaN	NaN	NaN
	LateAircraftDelay	Velocitati	MitjanaDeVol	NoCobraPerP	untualitat
0	NaN		6.982759		False
1	NaN		7.168142		False
2	NaN		6.776316		False
3	32.0		6.688312		False
4	NaN		7.908046		False

[5 rows x 32 columns]

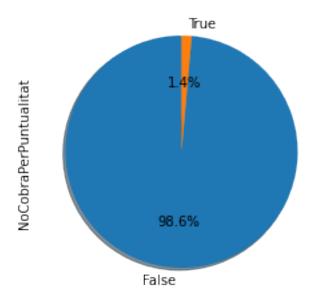
```
[6]: locoses["NoCobraPerPuntualitat"].value_counts().pt.pie(autopct='%1.

→1f\%', shadow=True, startangle=90)

plt.title("NoCobraPerPuntualitat taula de formatgets")
```

[6]: Text(0.5, 1.0, 'NoCobraPerPuntualitat taula de formatgets')

NoCobraPerPuntualitat taula de formatgets

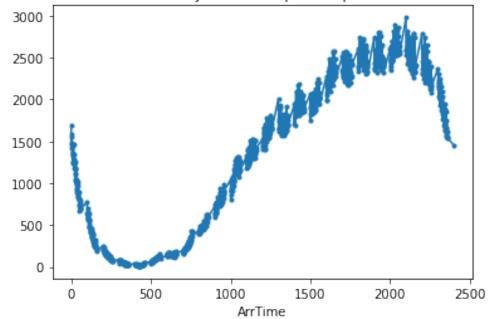


[12]: coses.groupby(by="ArrTime")["VelocitatMitjanaDeVol"].count().plot(marker='.')
plt.title("Doncs això, la velocitat mitjana de vol pel temps d'arribada de cada

→vol")

[12]: Text(0.5, 1.0, "Doncs això, la velocitat mitjana de vol pel temps d'arribada de cada vol")

Doncs això, la velocitat mitjana de vol pel temps d'arribada de cada vol



[]: