

Rxwdqh

- H{hfxwlyh#Vxp p du
- Iqwurgxfwlrq
- Phwkrgraj|
- Uhvxow
- Frqfxvlrq
- Dsshqgl

H{hfxwlyh#/xppdu

- Vxp p du ## hwkrgrarj hv
 - 0 Gdwd#robfwlrq#kurxjk#DSL
 - 0 Gdwd#rothfwlrq#zlwk#Zhe#Vfudslqj
 - 0 Gdwd#Zudqjdqj
 - 0 H{sarudwru|#Gdwd#Dqddvlv#zlwk#VT0
 - 0 H{sarudwru|#5dwd#Dqdd|vlv#zlwk#5dwd#Ylvxdd}dwlrq
 - 0 Igwhudfwlyh#Y lyxddDqdd wlfv#z lwk#Irdxp
 - 0 Pdfklqh#Dhduqlqj#Suhglfwlrq
- Vxppdu #ri#do#thvxow
 - $0 \hspace{0.2cm} \textbf{H} \{ sarudwru | \# dwd\# Dqdd v lv \# lhvxov \\$
 - 0 Igwhudfwlyh#dqddwlfv#lg#vfuhhqvkrw
 - 0 Sunglfwlyh#Dqddwlfv#Lhvxov

Igwrgxfwlrq

• Surninfwedfnjurxqg#lqg#frqwh{w

Vsdfh [dgyhuwlvhv Iddfrq < urfnhwælxqfkhv rq lw z hevlwh z lwk d frwwri 95 p lædrq græðluv rwkhu surylghuv frww xszdug ri 498 p lædrq græðluv hdfk/p xfk ri wkh vdylgjv lv ehfdxvh Vsdfh [fdq uhxvh wkh illuw wdjh 1 Wkhuhiruh/li z h fdq ghwhup lqh li wkh illuw wdjh z læædqg/z h fdq ghwhup lqh wkh frwwrid ælxqfk 1 Wklv lqirup dwlrq fdq eh xvhg li dq dælhuqdwh frp sdq | z dqw wr elg djdlqvw vsdfh [iru d urfnhwælxqfk 1 Wklv jrdori wkh surmhfw lv wr fuhdwh d p dfklqh ældqlqj s lshdqh wr suhglfw li wkh illuw wdjh z læædqg vxffhvvixæ 1

- Suredip v# rx#z dqw#wr#ilqg#dqvz huv
 - 0 Z kawtiafwruntghwhup lahtlittikhturfinhwtz latalagtwrffhvvixa B
 - 0 Wkh#qwhudfwlrq#dprqjvw#ydulrxv#lhdwxuhv#wkdw#ghwhuplqh#wkh#vxffhvv#xdwh#ri#d#vxffhvvixd# @lqglqj1
 - 0 Z kawtrshudwigj #frag Wiravtqhhgvtwrtehtfatsolfhtwrthavxuhtatxffhvvixatalag igj tsurj uap 1



Phwkrgrarj

H{hfxwlyh#Vxp p du

- Gdwd#fronfwlrq#phwkrgrorj |=
 - Gdwd#zdv#froinfwhg#kvlaj#vsdfh[#DSI#dqg#zhe#vfudslaj#iurp#zlnlshqld1
- Shuirup #gdwd z udqjdqj
 - R qhûkrwingfrgligj #z dv#dssang#wr#Edwhj rulfdatihdwxuhv
- Shuirup #h{sarudwru|#gdwd#blqdd|vlv#HGD,#kvlgj#ylvxdd}dwlrq#blqgVTO
- Shuirup #byhudfwlyh#ylvxdd#blqdd wlfv#kvlgj #Irdxp #blqg Sarwd Gdvk
- Shuirup #suhglfwlyh#dqdd vlv#xvlgj #fodvvlilfdwlrq#p rghov
 - Krz #wr#exlog #wxqh #hydoxdwh#fotvvlilfdwirg#p rghov

G dwd#Fronfwlrq

- Wkh gdwd z dv frodnfwhg xvlgj ydulrxv p hwkrgv
 - 0 Gdwd fronfwlrg z dv grgh xvlgj jhwuhtxhvwwr wkh Vsdfh [DSIL
 - 0 Qh{w/zh ghfrghg wkh uhvsrqvh frqwhqw dv d Mvrq xvlqj 1mvrq+, ixqfwlrq fdcodqg wxuq lw lqwr d sdqgdv gdwdiudp h xvlqj 1mvrqbqrup dd}h+,1
 - 0 Z h wkhq fondqhg wkh gdwd/fkhfnhg iru p lvvlqj ydoxhv dqg iko lq p lvvlqj ydoxhv z khuh qhfhvvdu 1
 - 0 kg dggkvirq/zh shuiruphg zhe vfudskji iurp Zholshgldiru Idofrq < odxqfk uhfrugvzkk Ehdxvixovrxs1
 - 0 Wkh reminfwlyh zdv wr h{wudfw wkh odxqfk uhfrugv dv KWPO wdedn/sduvh wkh wdedn dqg frqyhuw lwwr d sdqgdv gdwdiudp h iru ixwxuh dqdd vlv1

•

Gdwd#Fronfwlrq#DVsdfh[#DSL

Z h#xvhg#kh#jhw#thtxhvw#wr#kh#
Vsdfh[#DSI#wr#froinfw#gdwd#fondq#
wkh#thtxhvwhg#gdwd#dqg#glg#vrp h#
edvlf#gdwd#z udqjdqj#dqg#
irup dwwlqj1

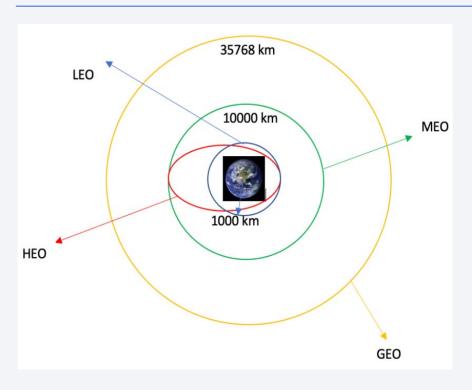
```
1. Get request for rocket launch data using API
          spacex_url="https://api.spacexdata.com/v4/launches/past"
In [7]:
          response = requests.get(spacex url)
   2. Use json_normalize method to convert json result to dataframe
In [12]:
           # Use json normalize method to convert the json result into a dataframe
           # decode response content as json
           static_json_df = res.json()
In [13]:
           # apply json_normalize
           data = pd.json normalize(static json df)
   3. We then performed data cleaning and filling in the missing values
In [30]:
          rows = data_falcon9['PayloadMass'].values.tolist()[0]
          df_rows = pd.DataFrame(rows)
          df rows = df rows.replace(np.nan, PayloadMass)
           data_falcon9['PayloadMass'][0] = df_rows.values
           data falcon9
```

Gdwd#Fronfwlrq#DVfudslqj

- Z h#dssdhg#z he#vfudsslgj#wr# z hevfuds#Iddrq#k#dxqfk#thfrugv# z lwk#Ehdxwlix&rxs#
- Z h#sduvhg#kh#wdedn#dqg#Erqyhuwhg#
 lw#lqwr#d#sdqgdv#gdwdiudp h1

```
1. Apply HTTP Get method to request the Falcon 9 rocket launch page
         static_url = "https://en.wikipedia.org/w/index.php?title=List_of_Falcon_9_and_Falcon_Heavy_launches&oldid=1027686922"
In [5]: # use requests.get() method with the provided static_url
           # assign the response to a object
           html_data = requests.get(static_url)
           html_data.status_code
Out[5]: 200
    2. Create a BeautifulSoup object from the HTML response
In [6]: # Use BeautifulSoup() to create a BeautifulSoup object from a response text content
            soup = BeautifulSoup(html_data.text, 'html.parser')
          Print the page title to verify if the BeautifulSoup object was created properly
In [7]: # Use soup.title attribute
            soup.title
Out[7]: <title>List of Falcon 9 and Falcon Heavy launches - Wikipedia</title>
    3. Extract all column names from the HTML table header
In [10]: column_names = []
          # Apply find_all() function with `th` element on first_launch_table
          # Iterate each th element and apply the provided extract_column_from_header() to get a column_name # Append the Non-empty column_name (`if_name is not None and len(name) > 0`) into a list called column_names
          element = soup.find_all('th')
          for row in range(len(element)):
             try:
    name = extract_column_from_header(element[row])
    name = extract_column_from_header(element[row])
                      column_names.append(name)
    4. Create a dataframe by parsing the launch HTML tables
    5. Export data to csv
```

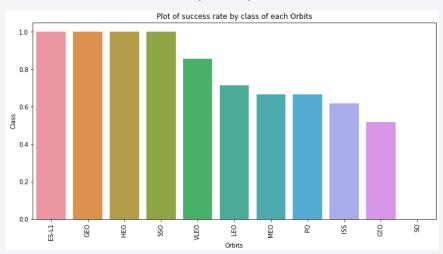
G dwd#Z udqjdqj

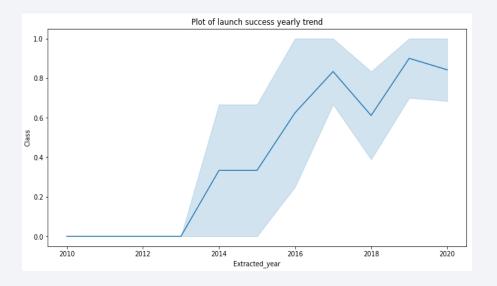


- Z h#shuirup hg#h{sarudwru|#gdwd#dqdd\vlv#dqgdd\vlv#dqg#ghwhup lqhg#kh#wdlqlqj#dehov1
- Z h#fdofxodwhg#kh#qxp ehu#ri#odxqfkhv#dw# hdfk#vlwh#dqg#kh#qxp ehu#dqg#rffxuhqfh# ri#hdfk#rue.lw
- Z h#fuhdwhg#ølqglqj#rxwfrp h#ølehd#iurp # rxwfrp h#froxp q#dqg#h{srwhg#kh#thvxow# wr#fvy1

HGD#z lk#Gdwd#Y lvxdd}dwlrq

Z h#h{saruhg#kh#gdwd#e |#ylvxdd}lqj#
wkh#ihodwirqvkls#ehwz hhq#idjkw#
qxp ehu#iqg#olxqfk#Vlwh#sd|ardg#iqg#
olxqfk#vlwh#xffhvv#dwh#ri#hdfk#ruelw#
w|sh#idjkw#qxp ehu#iqg#ruelw#w|sh#wkh#
olxqfk#vxffhvv#|hdud|#whqg1#





HGD#z lkk VTO

- Z h#brdghg#kh#Vsdfh[#gdwdvhw#fqwr#d#SrvwjuhVTO#gdwdedvh#z lwkrxw#bhdylqj# wkh#xs|whuqrwherrn1
- Z h#dssdhg#HGD#z lwk#VTO#wr#j hw#lqvlj kw#lurp #wkh#gdwd1#Z h#z urwh#txhulhv#wr# ilgg#rxw#liru#lqvwdqfh=
 - 0 Wkh#qdphv#ri#kqltxh#dxqfk#vlhv#lq#kh#vsdfh#plvvlrq1
 - 0 Wkh#wrwddsd | ardg#p dvv#fduulhg#e | #errwhuv#dxqfkhg#e | #QDVD#FUV,
 - 0 Wkh#dyhudjh#sd|ardg#p dvv#fduihg#e|#errwhu#yhuvlrq#I<#y414
 - 0 Wkh#wrwddpxp ehu#ri#wxffhvvixdpdqg#idlbxuh#p lvvlrq#rxwfrp hv
 - 0 Wkh#idling#ologityj#rxwfrp hv#lq#gurqh#vkls#wkhlu#errwhu#yhuvlrq#ologitolxqfk#vlwh#qdp hv1

Exlog#dq#qwhudfwlyh#P ds#z lwk#Irdxp

- Z htp dunhgtblootstagfktvl. Mhvtblogtblogghgtp dstreninfwtvxfktblvtp dunhuvtblufbnvtbloghvtwrt p duntkhtvxffhvvtrutidbruhtrittolxgfkhvttruthdfktvl. Mhttgtkkhttirdxp tp ds 1
- Z h#dvvlj qhg#kh#ihdwxuh#olxqfk#rxwfrp hv#idloxuh#ru#vxffhvv,#wr#folvv#B #dqg#4 111h1#B #
 iru#idloxuh#dqg#4 #iru#vxffhvv1
- Xvlqj#kh#froru@lehong#pdunhu#foxwhuv#zh#ghqwlilhg#zklfk#dxqfk#vWhv#kdyh#uhodwlyho|#kljk#xffhvv#kdwh#
- Z h#fddfxolwhg#kh#glwdqfhv#ehwe hhq#d#olxqfk#vlwh#wr#lw#sur{lp lwhv1#Z h#dqvz huhg# vrp h#txhvwlrq#iru#lqvwdqfh=
 - 0 Duh#dxqfk#vWhv#qhdu#dkzd|v#kljkzd|v#dqg#frdvwdqhv1
 - 0 Gr#dxqfk#vlwhv#nhhs#fhwdlq#glwdqfh#dzd|#iurp#flwlhv1

Exby#d#Gdvkerdug#z lkk#Sorwo #Gdvk

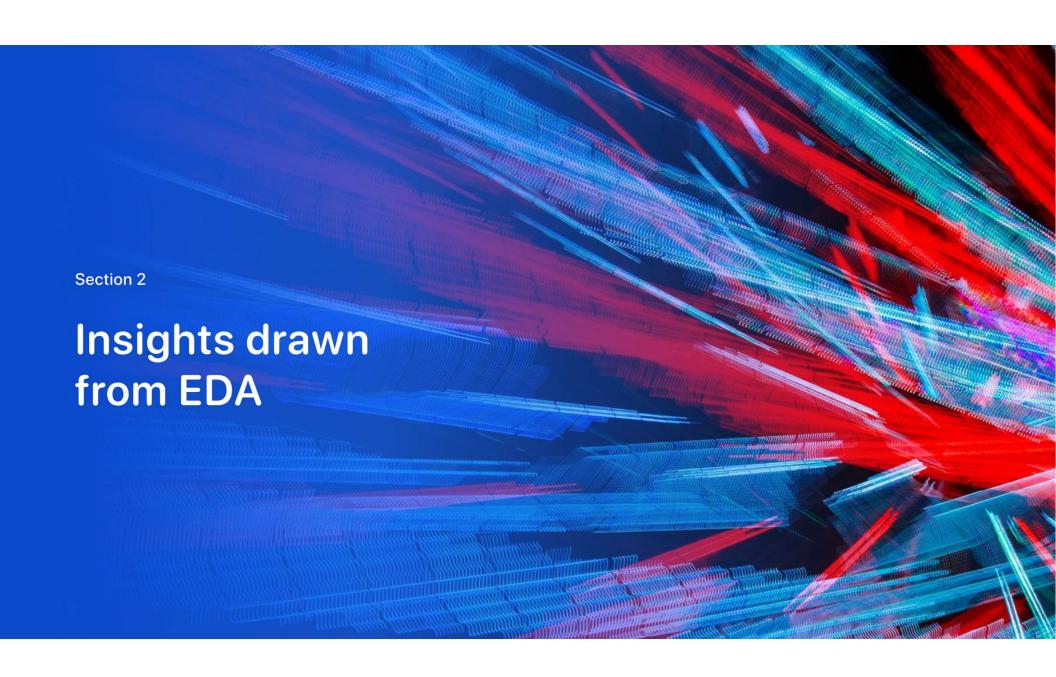
- Z h#exb#dq#lqwhudfwlyh#gdvkerdug#z lwk#Sorwd#gdvk
- Z h#sorwhg#s lh#Ekduw#vkrz lgj #wkh#wrwdd#olxqEkhv#e | #d#Ehuwdlg#vWhv
- Z h#sarwhg#vfdwhu#judsk#vkrz lqj#wkh#uhodwlrqvkls#z lwk#Rxwfrp h#dqg#Sd|ardg# P dvv#Nj,#iru#wkh#gliihuhqw#errwhu#yhuvlrq

Sung Ifwyh #Dado vlv #Fodvvlilfdwlra,

- Z h#brdghg#kh#gdwd#xvlqj#qxp s | dqg#sdqgdv#wdqvirup hg#kh#gdwd#vsdw#rxu#gdwd#lqwr#wdlqlgj#dqg#khvwlqj1
- Z http://www.com/shunding.com
- Z h#kvhg#dffxudf | #dv#kh#p hwulf#iru#rxu#p rgho#Ip suryhg#kh#p rgho#kvlgj #
 ihdwkuh#hqj lqhhulqj#dqg#doj rulkkp #kkqlqj 1
- Z h#irxqg#kh#ehw#shuirup lqj#f@lvvlilfdwlrq#p rghd.

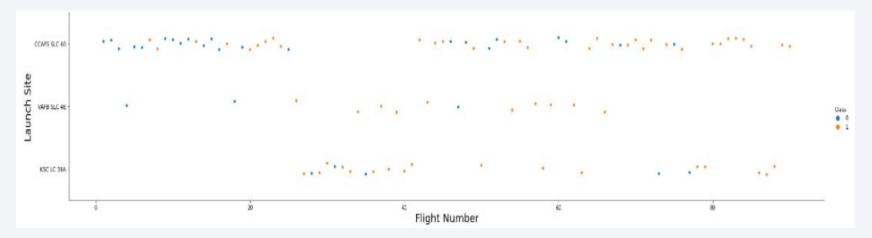
Uhvxow

- H{sarudwru|#gdwd#dqdd|vlv#thvxow
- Iqwhudfwlyh#dqdd wlfv#ghp r#lq#vfuhhqvkrw
- Sunglifwlyh#dqddvlv#.hvxxx



Idjkw#Qxpehu#yv#DdxqfkVWh

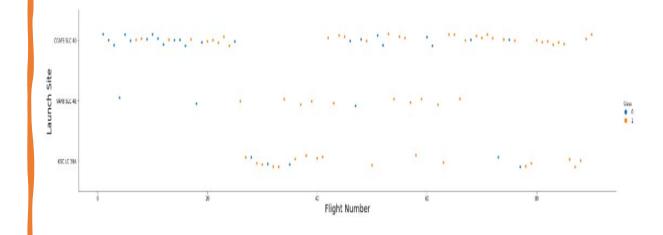
 Iurp #kh#sarw#z h#irxqg#kdw#kh#øluj hu#kh#idj kw#lp rxqw#lw#l#ølxqfk#vlwh#kh#j uhdwhu# wkh#xffhvv#dwh#lw#l#ølxqfk#vlwh1



Sd ordg#yv# Odxqfk#VWh

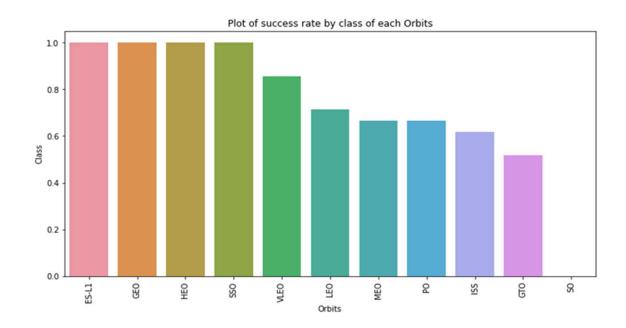


The greater the payload mass for launch site CCAFS SLC 40 the higher the success rate for the rocket.



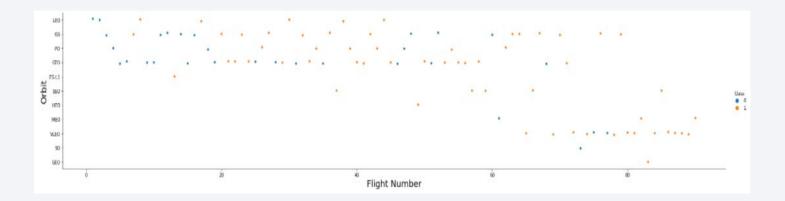
Vxffhvv#Jdwh#yv#Ruelw#W|sh

Iurp #kh#sorw#z h#Edq#vhh#
wkdw#IV004 #JHR #KHR #VVR #
YOHR #kdg#kh#p rvw#vxffhvv#
udwh1



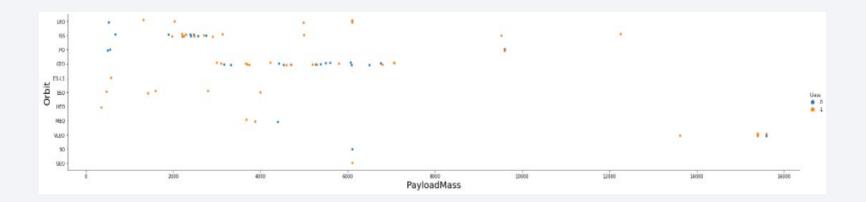
Idjkw#Qxpehu#yv#Ruelw#W|sh

• Wkh#sorw#ehorz #vkrz v#wkh#Idj kw#Qxp ehu#v#R ue w#w|sh#Z h#revhuyh#wkdw#Iq#wkh#DHR #rue w#wxffhvv#w#uhodwhg#wr#wkh#qxp ehu#ri#idj kw#z khuhdv#Iq#wkh#JWR #rue w#wkhuh#w#qr#uhodwirqvkls#ehwz hhq#idj kw#qxp ehu#dqg#wkh#rue w##



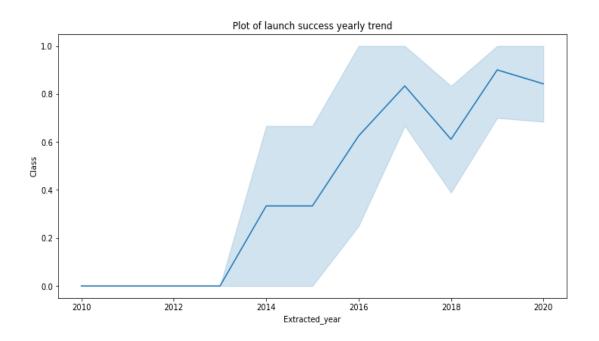
Sd ordg#yv#RuelwW sh

Z h#Edq#revhuyh#kdw#z lwk#khdy|#sd|ardgv#wkh#vxffhvvixabolqglqj#duh#p ruh#iru#SR #
 OHR #dqg#WV#ruelw1



Odxqfk#/xffhvv#\hdup #Wuhqg

 Iurp #kh#sarw#z h#Edq# revhuyh#kdw#vxffhvv#udwh# vlqfh#5346#nhsw#rq# lqfuhdvlqj#wkd#53531



Z h#kvhg#kh#hh | #z rug#
 GIVWIQFW wr#krz #rqq #kqltxh#
 olxqfk#vlwhv#iurp #kh#vsdfh [#gdwd1

Display the names of the unique launch sites in the space mission

Out[10]:	launchsite				
	0	KSC LC-39A			
	1	CCAFS LC-40			
	2	CCAFS SLC-40			
	3	VAFB SLC-4E			

Odxqfk#VWh#Qdp hv#Ehj lq#z Wk#FFD*

Display 5 records where launch sites begin with the string 'CCA'											
In [11]:	<pre>task_2 = '''</pre>										
Out[11]:		date	time	boosterversion	launchsite	payload	payloadmasskg	orbit	customer	missionoutcome	landingoutcome
	0	2010-04- 06	18:45:00	F9 v1.0 B0003	CCAFS LC- 40	Dragon Spacecraft Qualification Unit	0	LEO	SpaceX	Success	Failure (parachute)
	1	2010-08- 12	15:43:00	F9 v1.0 B0004	CCAFS LC- 40	Dragon demo flight C1, two CubeSats, barrel of	0	LEO (ISS)	NASA (COTS) NRO	Success	Failure (parachute)
	2	2012-05- 22	07:44:00	F9 v1.0 B0005	CCAFS LC- 40	Dragon demo flight C2	525	LEO (ISS)	NASA (COTS)	Success	No attempt
	3	2012-08-	00:35:00	F9 v1.0 B0006	CCAFS LC-	SpaceX CRS-1	500	LEO	NASA (CRS)	Success	No attempt
	_	10	00.55.00	13 V1.0 B0000	40	Spaces CRS-1	300	(ISS)	TVASA (CIG)	Success	No attempt

• Z h#kvhg#kh#txhu|#deryh#kr#glvs@l|#8#thfrugv#z khuh#@kqfk#vlkhv#ehjlq#zlkk# GFDc

Wrwddsd ordg#P dvv

• Z h#fdofxodwhg#kh#wrwdo#sd | ordg#fduulhg#e | #errvwhuv#jurp #QDVD#dv#788<9#xvlqj#kh#txhu | #ehorz

```
Display the total payload mass carried by boosters launched by NASA (CRS)

In [12]:

task_3 = '''

SELECT SUM(PayloadMassKG) AS Total_PayloadMass
FROM SpaceX
WHERE Customer LIKE 'NASA (CRS)'

""

create_pandas_df(task_3, database=conn)

Out[12]:

total_payloadmass

0 45596
```

Dyhudjh# Sd|ardg#Pavv# e|#I<#y414

 Z h#Edofxolwhg#kh#dyhudjh# sd|ordg#p dvv#Eduulhg#e|# errwhu#yhuvlrq#I<#y4 14 #dv# 5<5; 17

Display average payload mass carried by booster version F9 v1.1

Out[13]: avg_payloadmass

0 2928.4

Ilw#Xxffhvvixd#Jurxqg#Ddqglqj#Gdwh

 Z h#revhuyhg#kdw#kh#gdwhv#ri#kh# iluw#xffhvvixd#dqglqj#rxwfrp h#rq# jurxqg#sdg#zdv#55^{qg} Ghfhp ehu# 5348

Vxffhvvixdfurqh#Vkls#Odqglqj#zlwk#Sd|ordg#ehwzhhq#7333#dqg#9333

Z h#xvhg#kh#Z KHUH folxvh#wr#
ibvhu#iru#errvwhuv#z klfk#kdyh#
vxffhvvixo| #olqghg#rq#gurqh#
vkls#lqg#lssdhg#kh#DQG
frqglwlrq#wr#ghwhup lqh#
vxffhvvixd#olqglqj#z lwk#sd|ordg#
p dvv#j uhdwhu#kdq#7333#exw#bvv#
wkdq#9333

Out[15]: boosterversion 0 F9 FT B1022 1 F9 FT B1026 2 F9 FT B1021.2 3 F9 FT B1031.2

Wrwdd xp ehullrill xffhvvixdd gg | Idlxuh P lwlrg | Rxwfrp hv

List the total number of successful and failure mission outcomes

```
In [16]:
          task_7a = '''
                  SELECT COUNT(MissionOutcome) AS SuccessOutcome
                  FROM SpaceX
                  WHERE MissionOutcome LIKE 'Success%'
          task_7b = '''
                  SELECT COUNT(MissionOutcome) AS FailureOutcome
                  WHERE MissionOutcome LIKE 'Failure%'
          print('The total number of successful mission outcome is:')
          display(create pandas df(task 7a, database=conn))
          print('The total number of failed mission outcome is:')
          create pandas df(task 7b, database=conn)
         The total number of successful mission outcome is:
            successoutcome
                       100
         The total number of failed mission outcome is:
Out[16]:
            failureoutcome
```

 Z h#xvhg#z kgfdug#dnh#p(Ã#wr# ikwhu#iru#Z KHUH P kvvkrqRxwfrp h z dv#d#vxffhvv#ru#d#idkxuh##

Errwhun#Fduulhg# Pd{1pxpSd|ardg

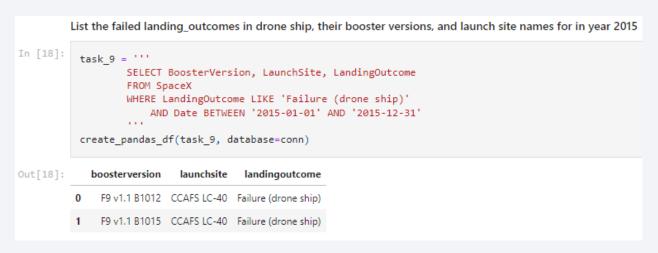
Z h#ghwhup lqhg#wkh#errwhu#wkdw#
kdyh#fduihg#wkh#p d{lp xp #
sd|ardg#xvlqj#d#wxetxhu|#q#wkh#
Z KHUH fodxvh#dqg#wkh#P D[+#
ixqfwlrq1

List the names of the booster_versions which have carried the maximum payload mass. Use a subquery

Out[17]:		boosterversion	payloadmasskg
	0	F9 B5 B1048.4	15600
	1	F9 B5 B1048.5	15600
	2	F9 B5 B1049.4	15600
	3	F9 B5 B1049.5	15600
	4	F9 B5 B1049.7	15600
	5	F9 B5 B1051.3	15600
	6	F9 B5 B1051.4	15600
	7	F9 B5 B1051.6	15600
	8	F9 B5 B1056.4	15600
	9	F9 B5 B1058.3	15600
	10	F9 B5 B1060.2	15600
	11	F9 B5 B1060.3	15600

5348 #Ddxqfk#Jhfrugv

Z h#kvhg#l#rp e lqdwlrqv#ri#kh#Z KHUH folxvh#DINH#DQG#lqg#EHWZ HHQ
frqgWlrqv#kr#llohu#iru#idlohg olqglqj#rxwfrp hv#lq#gurqh#kls#khlu#errwhu#
yhuvlrqv#lqg olxqfk#vlwh#qdp hv#iru#| hdu#5348



Udqn#Ddqglqj#Rxwfrp hv#Ehwzhhq#5343039037#dqg# 534:036053

Rank the count of landing outcomes (such as Failure (drone ship) or Success (ground pad))

Out[19]:		landingoutcome	count
	0	No attempt	10
	1	Success (drone ship)	6
	2	Failure (drone ship)	5
	3	Success (ground pad)	5
	4	Controlled (ocean)	3
	5	Uncontrolled (ocean)	2
	6	Precluded (drone ship)	1
	7	Failure (parachute)	1

- Z h#vhdnfwhg#Ddqglqj#rxwfrp hv#dqg#kh#FRXQW ri#dqglqj#rxwfrp hv#irp #kh#gdwd#dqg#xvhg#kh#Z KHUH fodxvh#r#lbhu#iru#dqglqj#rxwfrp hv#EHWZ HHQ5343039037#r#53430360531
- Z h#dssdhg#kh#JURXSÆ\#Eølxvh#
 wr#jurxs#kh#ølqglqj#rxwfrp hv#
 dqg#kh#RUGHUÆ\#følxvh#wr#
 rughu#kh#jurxshg#ølqglqj#
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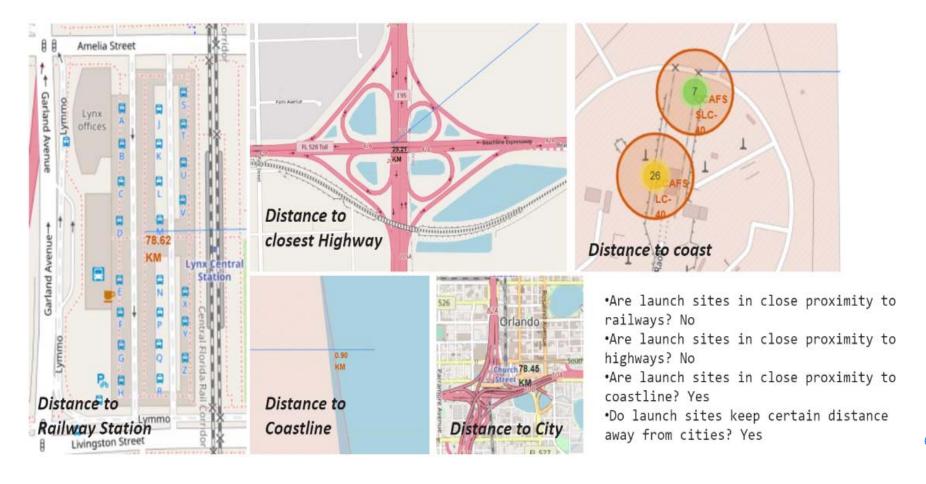
Dottolxqfk#vlwhv#j creddp ds#p dunhuv

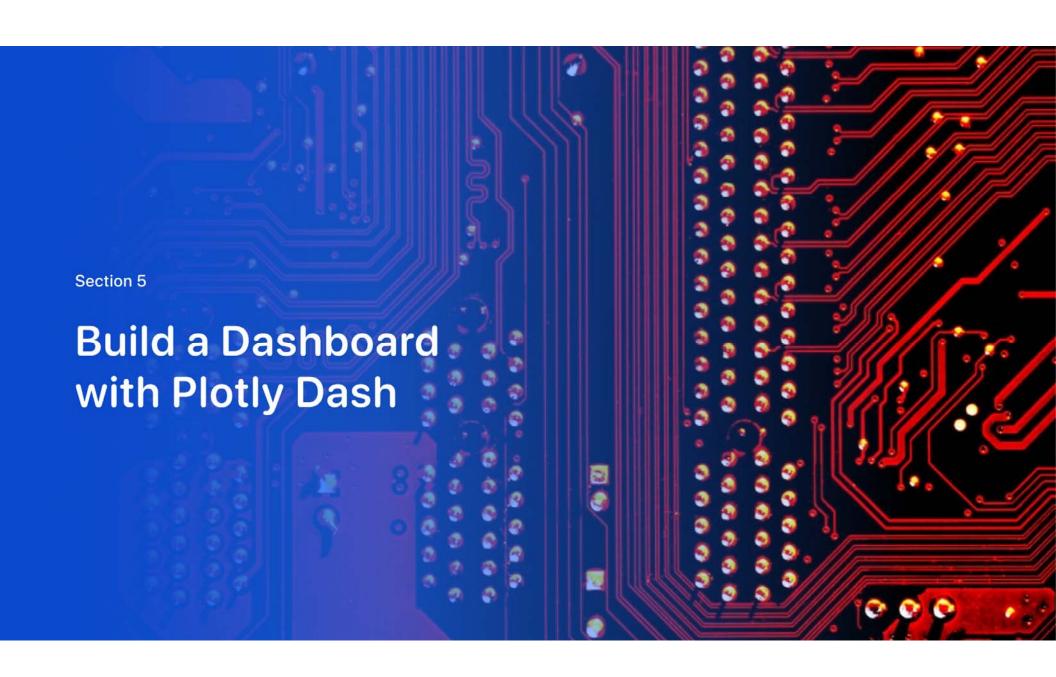


P dunhu#krz bj #dxqfk#vWhv#z Wk#froru#dehov

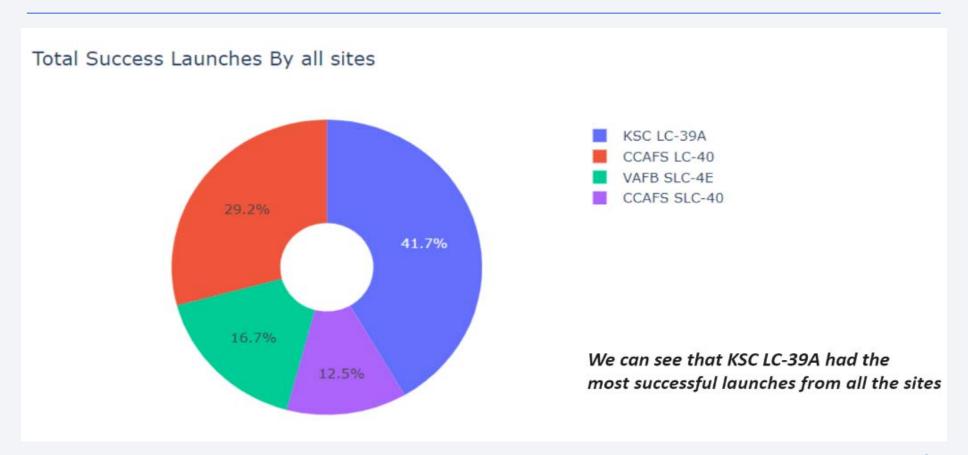


Odxqfk#Vlwh#glwdqfh#wr#dqgpdunv

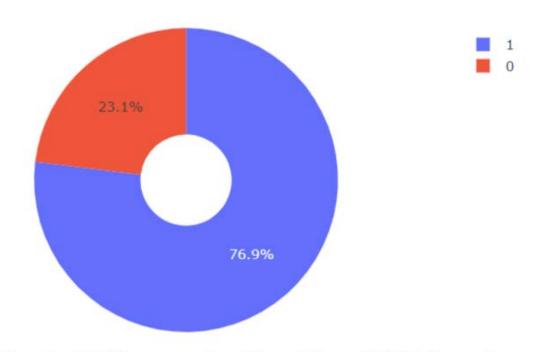




Slh#kdu#krzlqj#kh#xffhvv#shufhqwdjh#dfklhyhg#e|#hdfk#olxqfk#vlwh

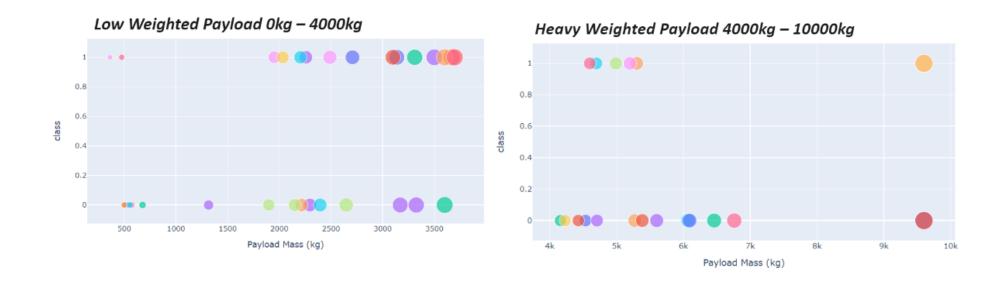


Slh#kdu#krzlqj#kh#dxqfk#vlh#zlk#kh#kljkhvw#olxqfk#vxffhvv#udwlr



KSC LC-39A achieved a 76.9% success rate while getting a 23.1% failure rate

VfdwhutsarwtritSd|ardgtyvtDdxqfktRxwfrphtirutDatvWhv/tz Wktgliihuhqwtsd|ardgtvhanfwhgttqtwkhtudqjhtvaghu



We can see the success rates for low weighted payloads is higher than the heavy weighted payloads



Fotvlilfdwlrq# Dffxudf

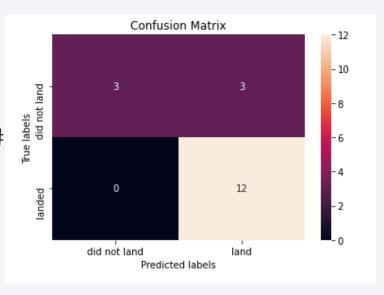
 Wkh#ghflvlrq#whh#fotvvlilhu#lv#kh#p rghd#z lwk# wkh#kljkhvw#fotvvlilfdwlrq#dffxudf|

Best model is DecisionTree with a score of 0.8732142857142856

Best params is : {'criterion': 'gini', 'max_depth': 6, 'max_features': 'auto', 'min_samples_leaf': 2, 'min_samples_split': 5, 'splitter': 'random'}

Frqixvlrq#P dwul{

Wkh#frqixvlrq#p dwul{#iru#kh#ghflvlrq#whh#folvvlilhu#krz v#kdw#kh#folvvlilhu#fdq#glwdjxlk#ehwz hhq#kh#gliihuhqw#folvvhv#Wkh#p dmru#surednp #lv#kh#idovh#srvlwlyhv#11h1/#xqvxffhvvixd#olqglqj#p dunhg#lv#vxffhvvixd#olqglqj#e |#kh#folvvlilhu1



Frqfxvlrqv

Z h#fdq#frqfxgh#kdw=

- Wkh#oluj hu#kh#idj kw#op rxqw#olw#ol#olxqfk#vlwh#kh#j uhdwhu#kh#vxffhvv#udwh#olw#olxqfk#
 vlwh1
- Odxqfk#xffhvv#tdwh#wduwhg#wr#lqfuhdvh#lq#5346#wlod#53531
- Rue lw#HV004 #JHR #KHR #WVR #YOHR #kdg#kh#p rvw#xffhvv#dwh1
- NVF#DF06<D#kdg#kh#prv#xffhvvixd#dxqfkhv#ri#dq|#vWhv1
- Wkh#Ghflvlrq#whh#folvvlilhu#b#kh#ehw#pdfklqh#bduqlqj#dojrulwkp#iru#klv#wdvn1

