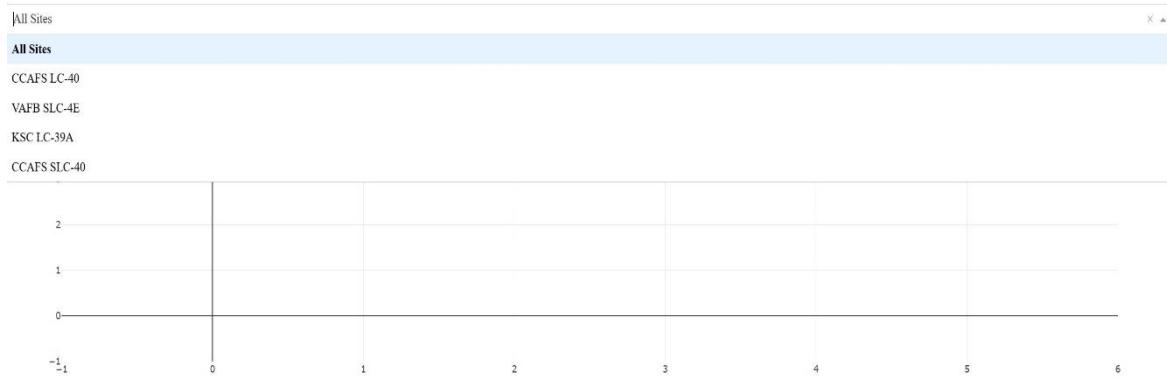


TASK 1

SpaceX Launch Records Dashboard

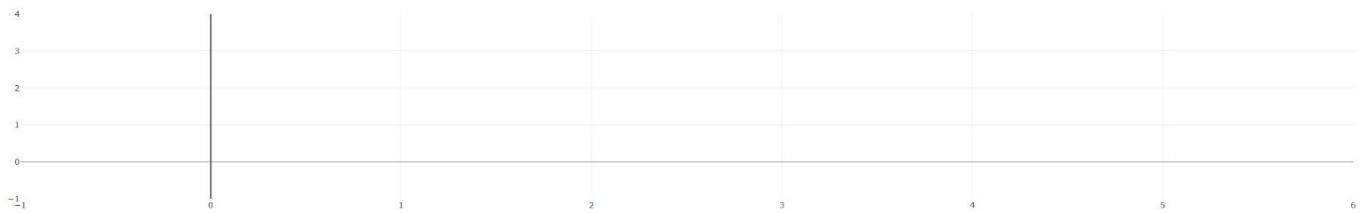


TASK 2

SpaceX Launch Records Dashboard



Payload range (Kg):



SpaceX Launch Records Dashboard

KSC LC-39A

X-7

Success vs Failure for site KSC LC-39A



TASK 3

SpaceX Launch Records Dashboard

All Sites

1

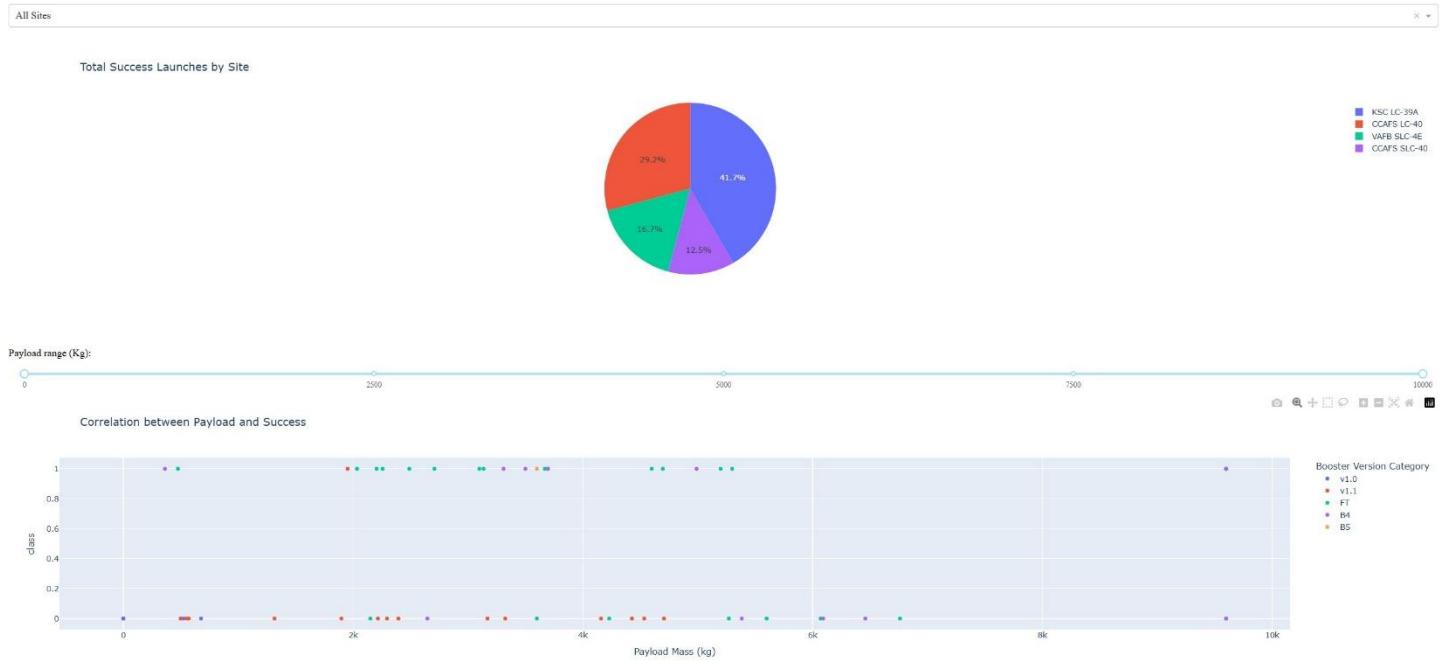
Total Success Launches by Site



Payload range (Kg):

TASK 4

SpaceX Launch Records Dashboard



1. Which launch site has the highest number of successful launches?

→ **KSC LC-39A**

In the pie chart (ALL Sites), this site represents the largest share. It is therefore the site with the highest number of successful launches.

2. Which launch site has the highest success rate?

General observations from the dataset:

- **KSC LC-39A** → mostly successful launches
- **VAFB SLC-4E** → some failures, but overall a good success rate
- **CCAFS LC-40** → solid performance
- **CCAFS SLC-40** → slightly lower success rate

Conclusion:

→ **KSC LC-39A has the highest success rate.**

It shows almost only **class = 1 (success)** in most configurations (Task 2 pie chart).

3. Which payload range has the highest success rate?

Using the slider and the scatter plot:

Visual observation:

Payloads between **2000 kg** and **6000 kg** show a high concentration of **class = 1** points (successful launches).

There are few or no failures in this range.

Conclusion:

→ The payload range with the highest success rate is **~2000 kg to ~6000 kg**.

4. Which payload range has the lowest success rate?

Observation:

- Several failures appear in the **low-payload region (< 2000 kg)**
- Some failures also occur around **5000–6000 kg**, but they are fewer

Conclusion:

→ The payload range **below 2000 kg** has the lowest success rate.

5. Which F9 Booster version has the highest success rate?

In the scatter plot, colors represent the different booster versions:

- **FT (Falcon 9 Full Thrust)**
- **v1.0**
- **v1.1**
- **B4**
- **B5**

Observation :

- FT points are overwhelmingly **class = 1** (success)
- Older versions (v1.0, v1.1) show more failures
- B5 also has many successes, but fewer data points than FT

Conclusion:

→ The **FT (Falcon 9 Full Thrust)** version has the highest success rate.