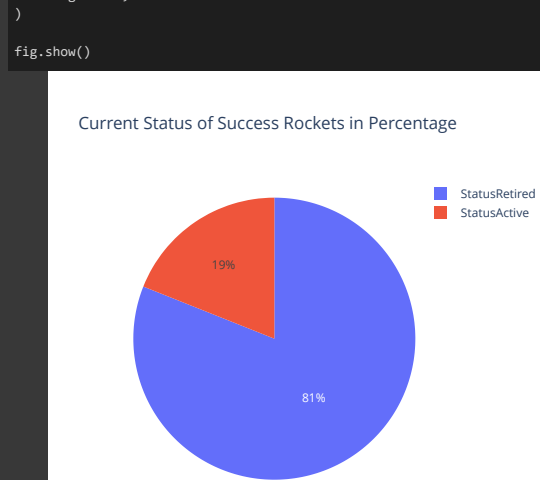


**Conclusion:** IF/3N 1000 has highest nitrogen rate

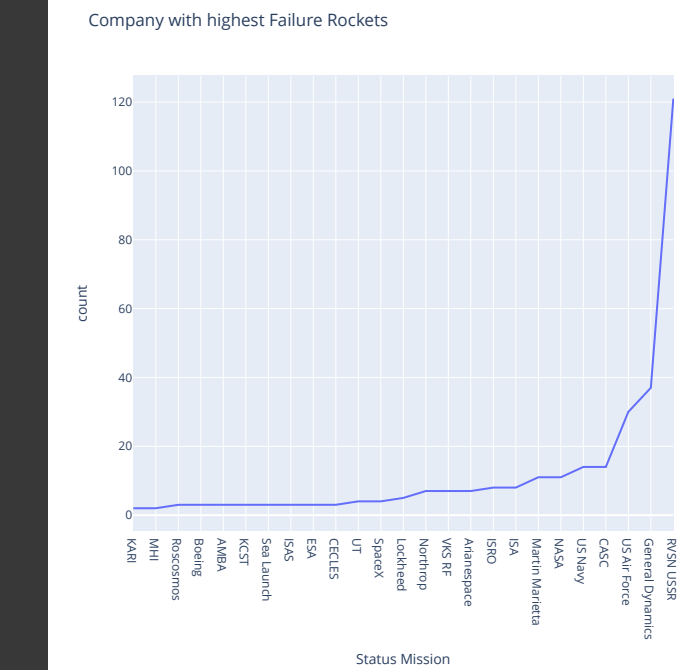


1000

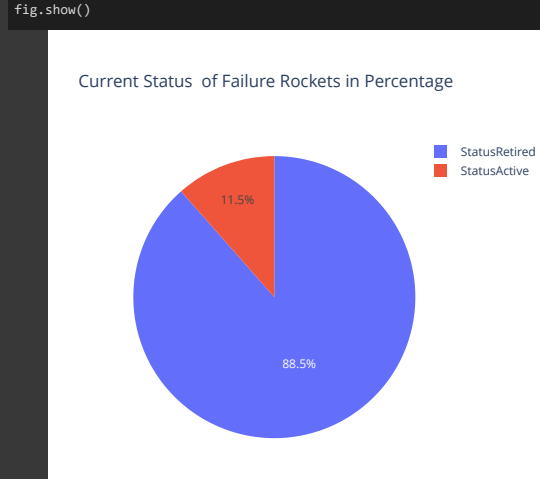
114

```
# Visualization of failure rocket using scatter
fig = plt.figure()
```

Fig. 5 shows



Conclusion: R/5N USSR has highest number of failures



100

Conclusion: Most Failure

```
# Count of rockets launched by ISRO
isro_df[isro_df['Company Name']=='ISRO']
print("No of rockets launched by ISRO", isro.shape[0])
```





Company Name	Location	Duration	Detail	Status	Station	Mission	Country	Year	Month	
8	SpaceX	LC-26A, Kennedy Space Center, Florida, USA	Feb 04, 2023 05:12 UTC	Falcon 9 Block 5	Starliner V1.1-8	Block 5P	Starliner	USA	2023	Aug
9	CASC	Shanghai 1418 (SL-2), Jiaolong Submersible Launch, China	The Aug. 02, 2023 04:01 UTC	Long March 5B	2023-06-20	SL-2	Starliner	China	2023	Aug
2	SpaceX	Star Base, Boca Chica, Texas, USA	Tue Jul 04, 2023 23:37 UTC	Starship Prototype 1	150 Meter	Starliner	USA	2023	Aug	
3	Proton-M	Site 255/29, Baikonur Cosmodrome, Kazakhstan	The Jul 30, 2023 21:25 UTC	Proton-M/Briz-M	Express D8 & Express 15S	Starliner	Russia/Kazakhstan	2023	Jul	
4	ULA	SLC-41, Cape Canaveral AFS, Florida, USA	The Jul 30, 2023 11:50 UTC	Atlas V 541	Perseus	Starliner	USA	2023	Jul	

```
# To change the Status Rocket column values from StatusActive to Active by removing the word Status
df[["Status_Rocket"]] = df[["Status_Rocket"]].str.replace("Status", "")
```