



Big picture:

-  Lissie - Mother (Danzig Cover) Lyric Video
- <https://www.instagram.com/p/CbyEW1DphcG/> (Scientific American post 3/31)
- <https://www.instagram.com/p/CbvfGVSK0RI/> (Lex Fridman electric star post.) Legendary
- electric music in the background
-  How Magnetism Shapes The Universe
- James White (very cool very swag i like it)

Updates 5/8/2022, debugged the code, removed the risk of future spacetrash.

How to protect our stars:

1. Study pulsars and supernovae. Allocate supernovae to energy and work on maintaining a solid temperature for a maintenance of hydrostatic equilibrium.
 - a. This can be done by applying
<https://www.coursera.org/learn/deep-neural-network/lecture/y0m1f/gradient-descent-with-momentum>
 - i. Also, there can be a moving average applied to hydrostatic equilibrium, to ensure that there is not too much variation for something such as core stability.

Why to protect our stars:

1. Less asteroids, which will not be efficient.
 - a. Can we find a way to allocate these asteroids to their respective KNN, especially if they are dangerous?
 - i. This seems pretty efficient, and maybe the stars/planets will appreciate this. I heard they get ultra violet if not.
 1. Can be applicable to GERM modeling, etc.

Applications:

hydrostatic equilibrium is a concept that could probably be used to think about inflation in the long run... as well as applying the second law of thermodynamics to economic throughput to find a hydrostatic equilibrium...

- Germ, bitcoin, etc.
 - Bitcoin is looking like it could be the "core crypto", but there does seem to be cons that need to be addressed.
 - Scalability problems. The proportions are very biased at the moment, and if bitcoin is to be the core crypto it needs weighted parameters.
 - Also, I think transaction fees are higher than doge?
 - Probably some other cons

Potential sample code idea:

#PACKAGES

```
import naive bay
import EV
import nasa #and other companies
import quantum astrophysics peeps
import stars
import asteroids
import MIT
import universities
import spacex
from nasa import carbonloadedship # loaded from most at risk
from nasa import sustainablycalculatedvehicle
from nasa import space stations optimally distanced
from MIT import engineers #to help nasa
from spacex import starlink
fom starlink remove elon's monopoly
from nasa import more communication
```

#DATA

```
carbonstuff = collecting the calculated optimal material to bring to KNN #KNN is the nearest and
optimal planet
loaded = accounts for hydrostatic equilibrium and optimizes trip
dangerous = probability that ship crashes
omit = find a way to navigate around asteroid
Clear = no danger
Chill = reduce fuel #this is similar to a car stopping at a stop light, or stop sign
Landed = on planet
cryptochambers = back up in the event of error. # Perhaps a stop loss of like 40%?
returned = mission complete, with oxygen and desired metals (can perhaps be airdropped via
Basque in the glory = enjoy our accomplishment!
willing = 1 #nasa opts to work with calculated morally ethical company
help WILL come = we are in this together!
Space stations = nasa space stations
Orbital reef = sped up version of space station, once collab with space station
```

#CODE

```
while nasa == carbonstuff: #where carbon stuff is maximizing carbon sequestration process
    print('Tackle other issues, find ways to RRR.')
    open portal to connect engineers to innovate
```

```
after nasa == loaded:
    print('Let's get it!') #launch
    connect to space stations #refuel and distribute carbon to various atmospheres
    if willing then merge space stations with ethical company (ranked)
launch loaded:
    if asteroids == dangerous then 'omit' asteroids
    if clear then chill
once landed:
    then celebrate #maybe some space soda?
if fuel == low:
    then go in cryptochambers and help WILL come

# ok, now time to return

launch carbonloadedship:
    if asteroids == dangerous then 'omit' asteroids
    if clear then chill
once return
    then basque in the glory and iterate (the definition of empirical;).
```

Apply this sample code. Replace carbon with money. Replace return with crypto.
I think that there could be an association between inflation of the USD and climate change.

Self made/reliant claims are toxic. There are physical laws of the universe that need to be fine tuned. There are algorithms out there that prove this.

Otherwise, Ultra violet behavior is an unintended consequence. Hydrostatic equilibrium w/ minimal oscillations.

Future progress with Blue Origin, Orbital Reef, and Amazon coming in future sessions.
Looking to dive deeper into Robotics, logistical networks, and trying to find a balance of vertical + horizontal development. (finding a hydrostatic equilibrium) - will probably require backpropagation to correct imbalances first.