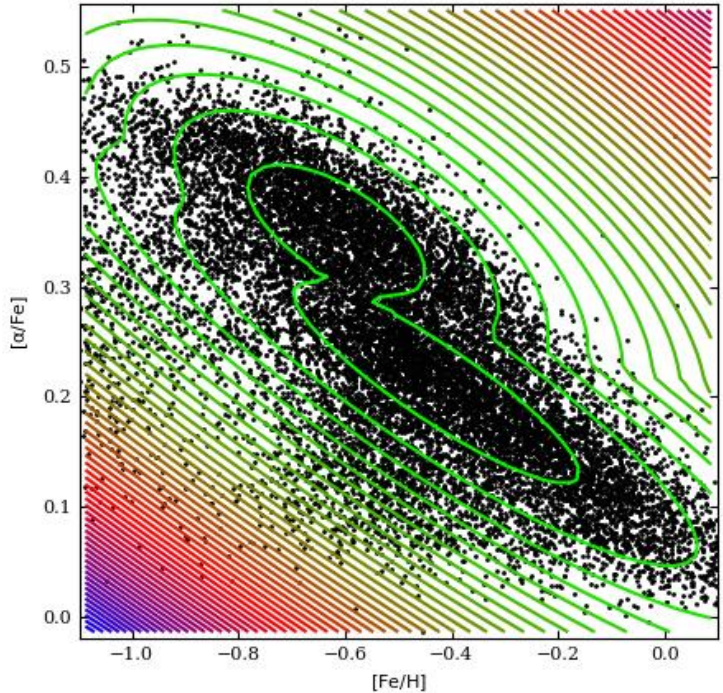
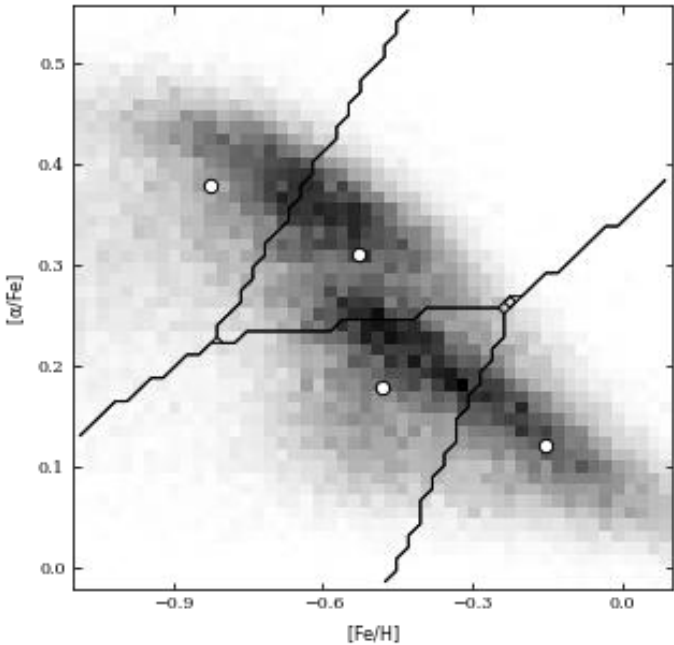
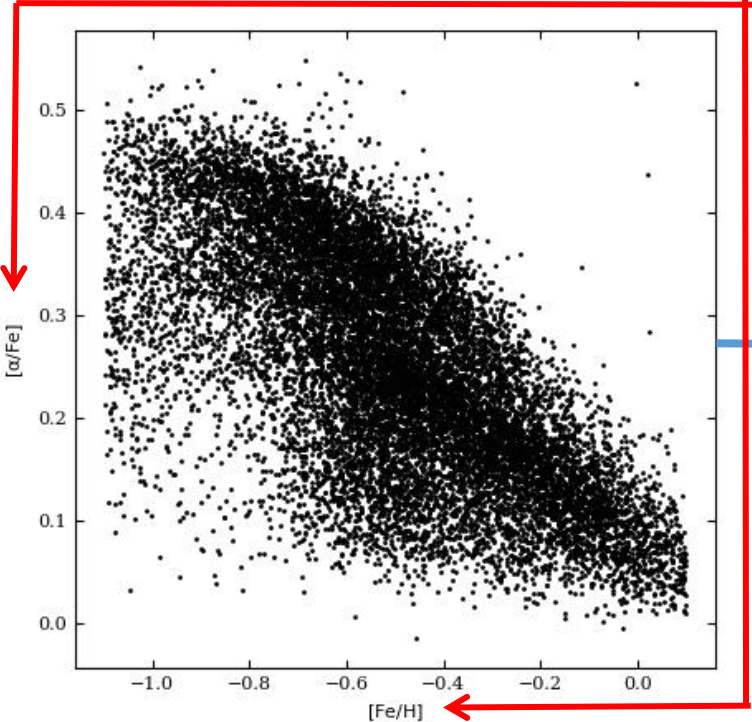


SEGUE - Sloan Extension for Galactic Exploration and Understanding

SSPP - SEGUE Stellar Parameter Pipeline

	ra	dec	Ar	upsf	uErr	gpsf	gErr	rpsf	alphFe	ipsf	...	FeH	FeHErr	Teff	TeffErr	logg
0	40.272091	-0.642501	0.085	19.240999	0.034	17.525999	0.020	16.840000	0.28739	16.613001	...	-0.45424	0.074101	5166.100098	23.374001	4.4887
1	44.255421	1.054936	0.230	19.379000	0.035	17.944000	0.022	17.275000	0.24915	17.031000	...	-0.55733	0.039659	5263.200195	8.605100	4.3576
2	44.390503	0.903297	0.220	17.667999	0.021	16.240999	0.022	15.591000	0.39253	15.383000	...	-0.75690	0.047350	5303.100098	37.186001	4.4681
3	44.393078	0.957828	0.232	18.555000	0.024	17.535999	0.033	17.070999	0.24411	16.955999	...	-0.94284	0.032773	6032.000000	28.464001	4.0692
4	44.393078	0.957828	0.232	18.555000	0.024	17.535999	0.033	17.070999	0.23225	16.955999	...	-0.93690	0.038368	6065.500000	27.323000	4.1421

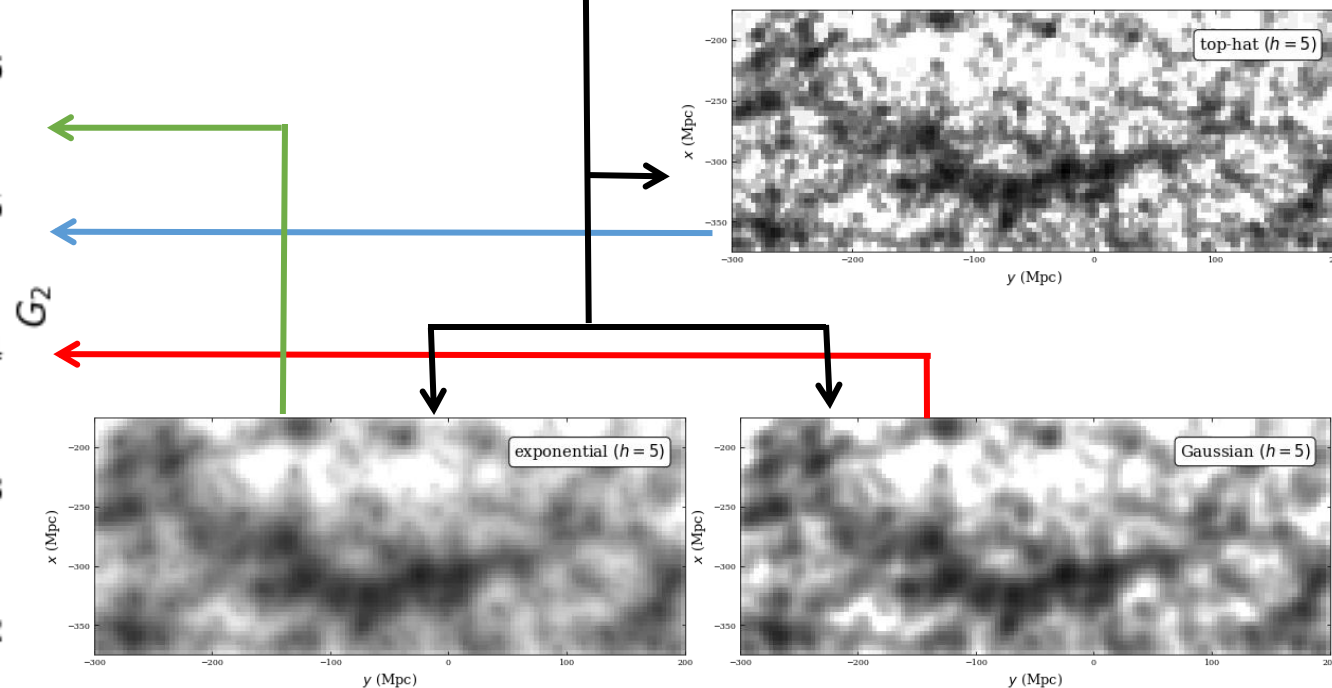
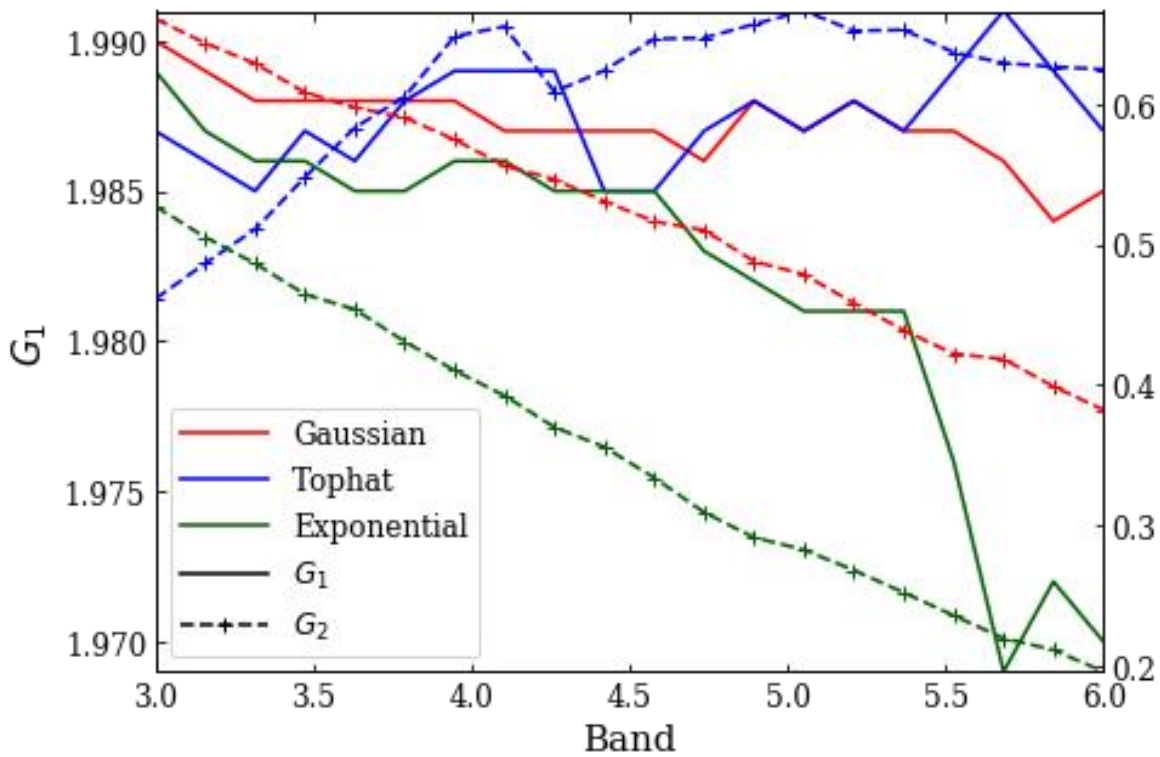
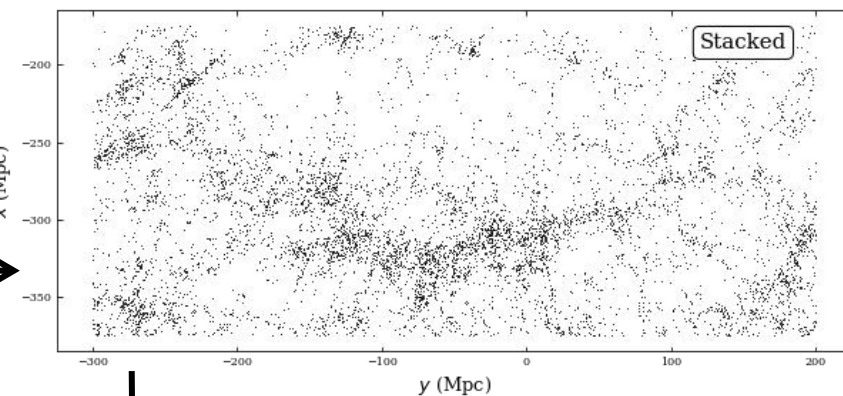
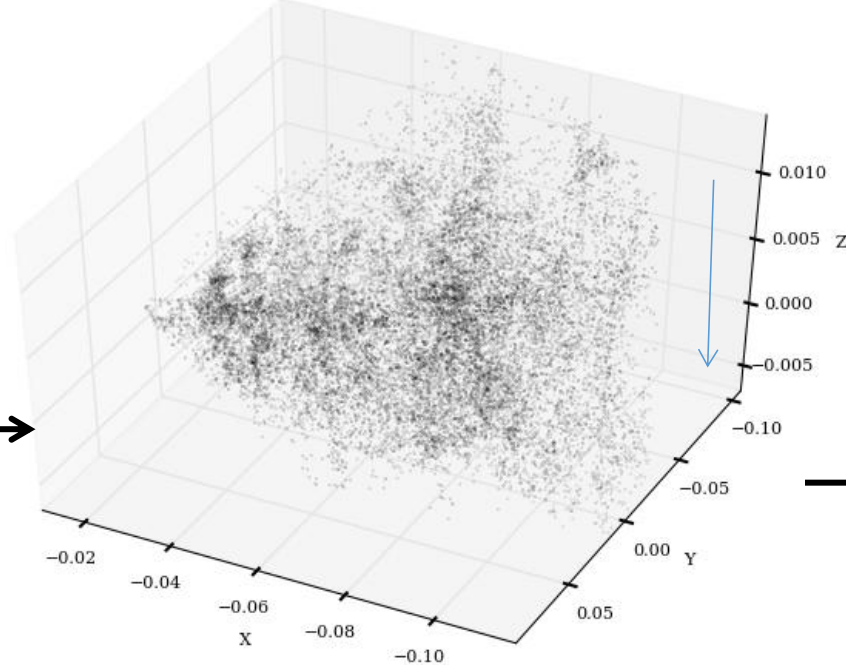
76127 rows × 30 columns



Fonte: VanderPlas(2013)

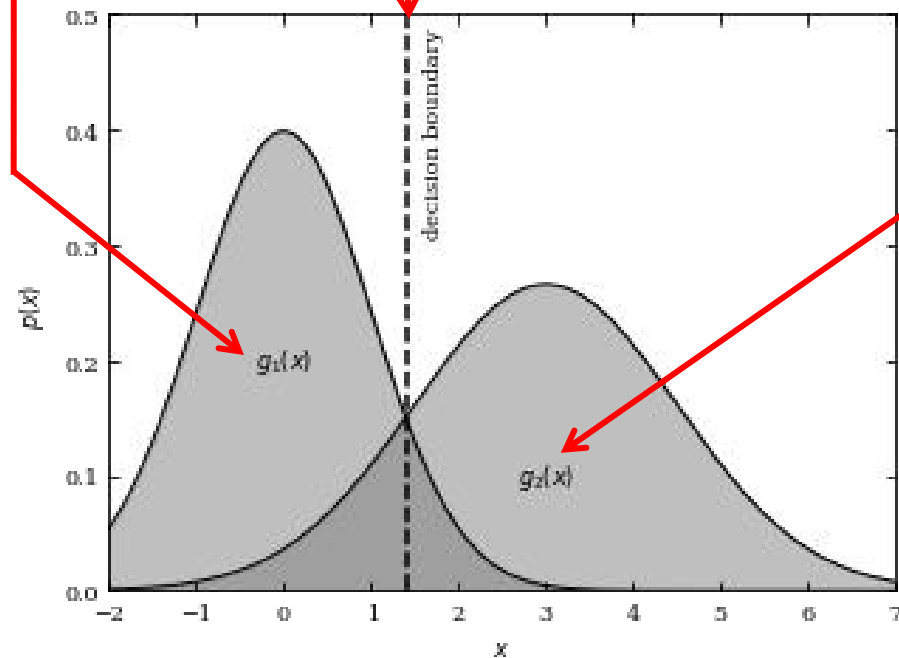
Great Wall

Cowan, et al;(2008)



Borda de decisão

```
#-----  
# Compute the two PDFs  
x = np.linspace(-3, 7, 1000)  
pdf1 = norm(0, 1).pdf(x)  
pdf2 = norm(3, 1.5).pdf(x)  
x_bound = x[np.where(pdf1 < pdf2)][0]
```



Fonte: VanderPlas(2013)

$$\delta_{GHS} = \frac{\sqrt{\delta_{BCA}} + \delta_{BCL}}{2}$$

$$D_{KL}(P, Q) = \sum (P - Q) \log \left(\frac{P}{Q} \right)$$

$$D_H(P, Q) = \sum \frac{\|\sqrt{P} - \sqrt{Q}\|}{\sqrt{2}}$$

