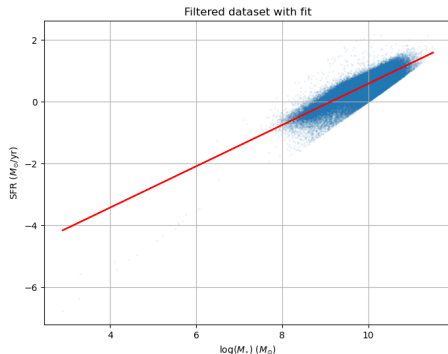
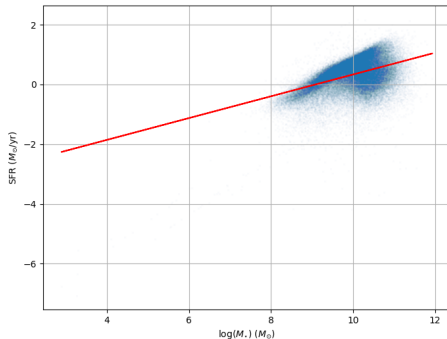


Galaxies Physical Properties

Gruppo 6

Giulia Conti, Alessia Corelli, Tommaso Corini, Beatrice Tonello

How does Star Formation Rates of galaxies in SDSS depend on mass?



$$y = 0.67x - 6.10$$

Local galaxy density

Color Map delle Densità

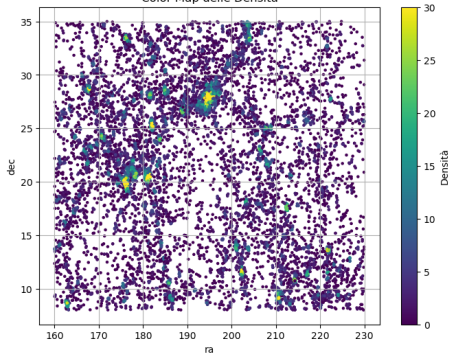
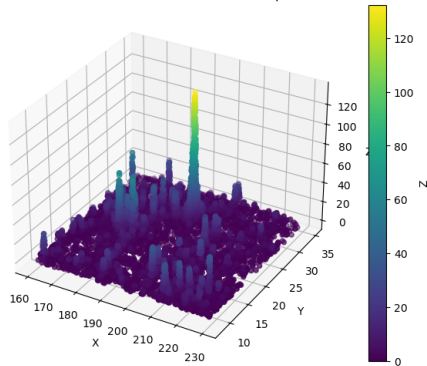
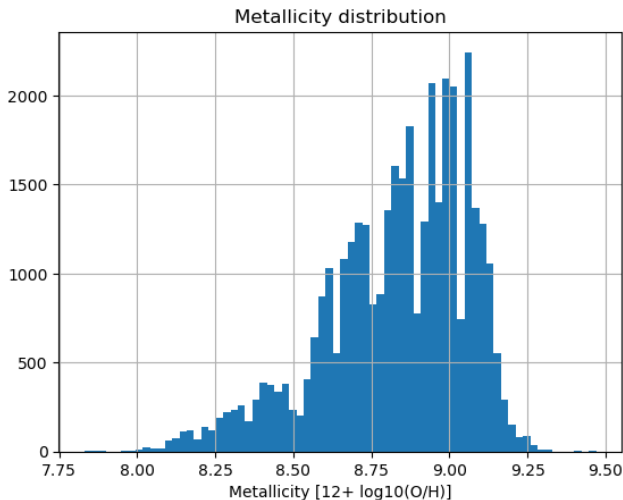


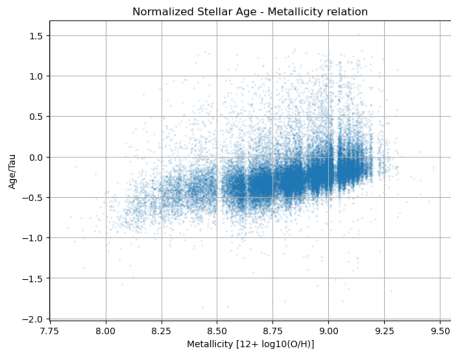
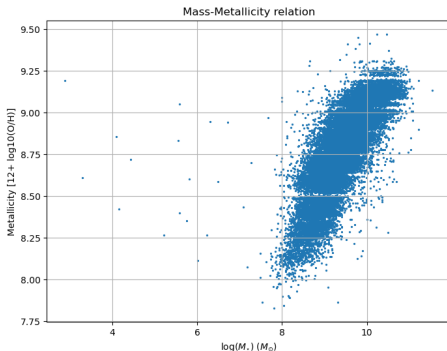
Grafico 3D dei Punti con Colori Diversi per z



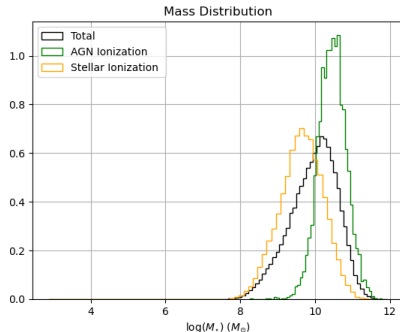
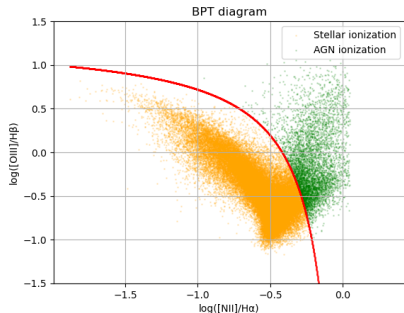
What is the distribution of metallicities?



Does the metallicity depend on other galaxy properties?



Is the fraction of AGN correlated to the other galaxy properties?



$$\log([\text{OIII}]/\text{H}\beta) = 0.61/(\log([\text{NII}]/\text{H}\alpha) - 0.05) + 1.3$$

Thank you for your attention!

Backup

