

Topic 1: January 2022

Work done by Kadir Bice

Thresholds to separate Core-Sat. in literature ranges from 25-75% occupancy depending on study (details in Kadir's notes).

Which percentage threshold is most plausible for our dataset?

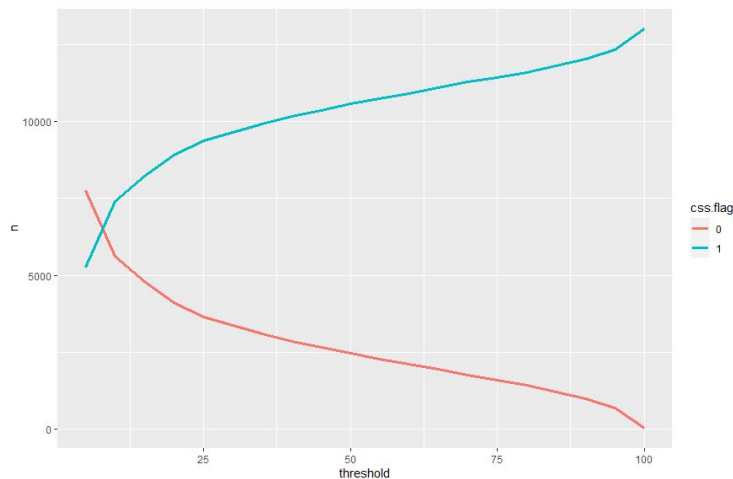


Fig. 1: Number of core (0) and satellite (1) species with varying thresholds.

→ Using unsupervised classification to let the data aid us in our decision:

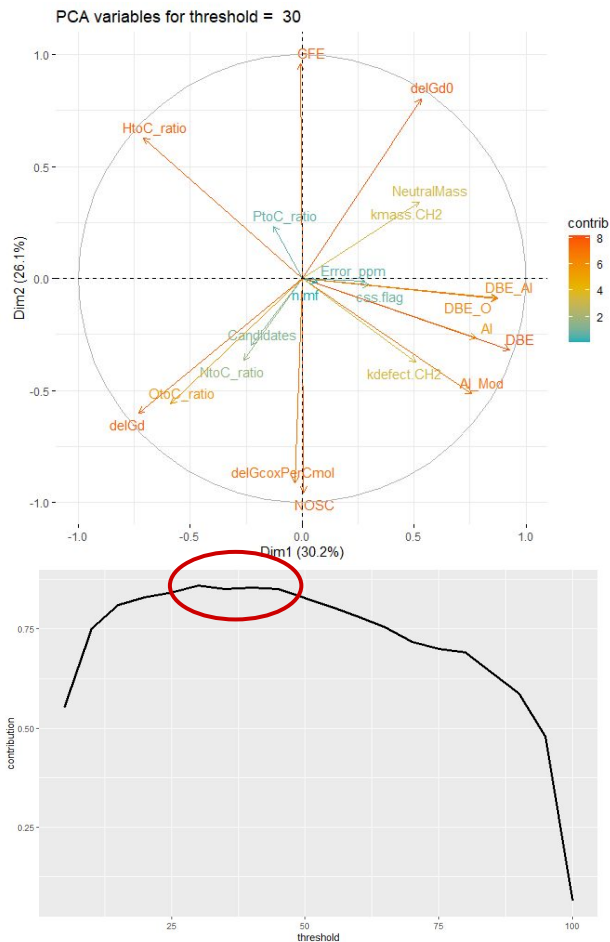


Fig. 2: PCA variables with 30% threshold

“Css.flag” = category that identifies C vs. S

Relatively minor contribution to PC1.

Fig. 3: Contribution of core-sat. Flag to explaining variation in PCA (non-weighted) for different threshold values. Highest contribution 25-50%.