

# How residence time constrains diversity

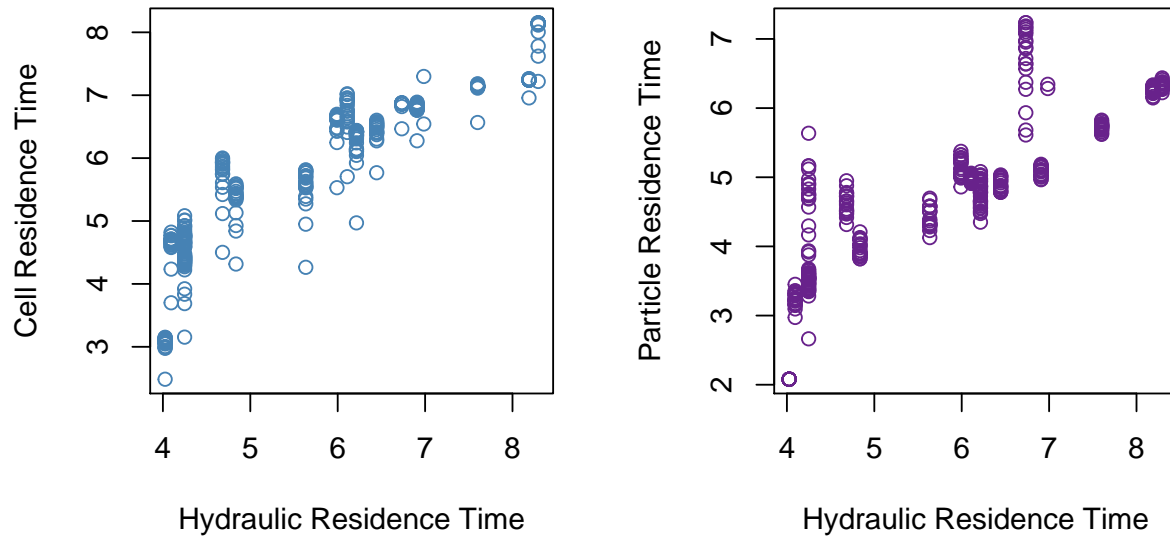
*Ken Locey, Jay Lennon*

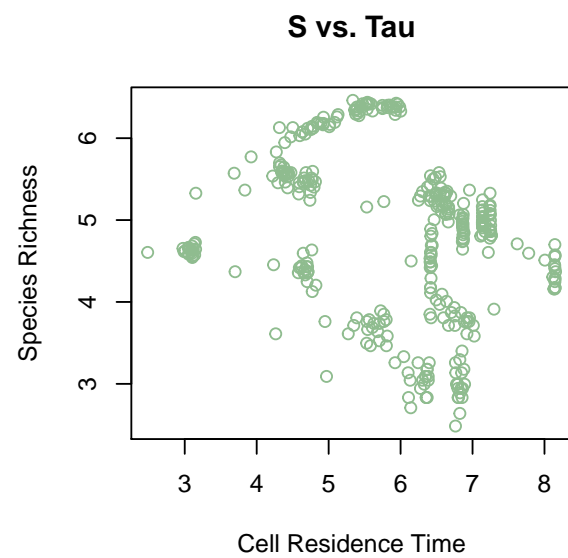
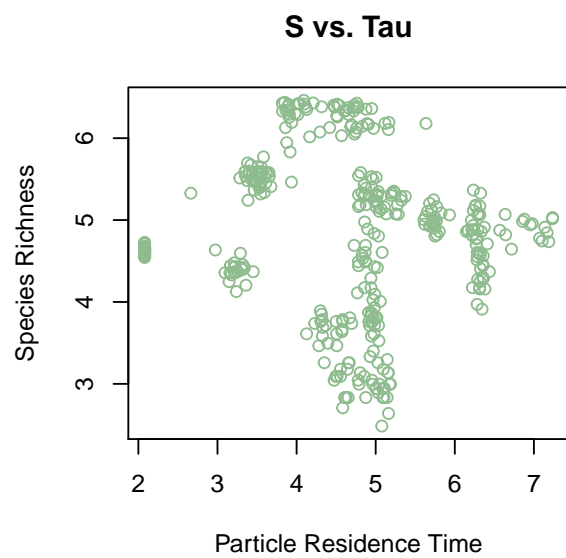
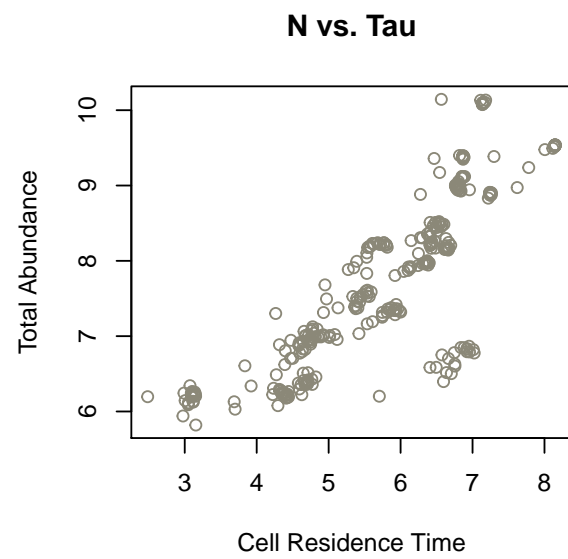
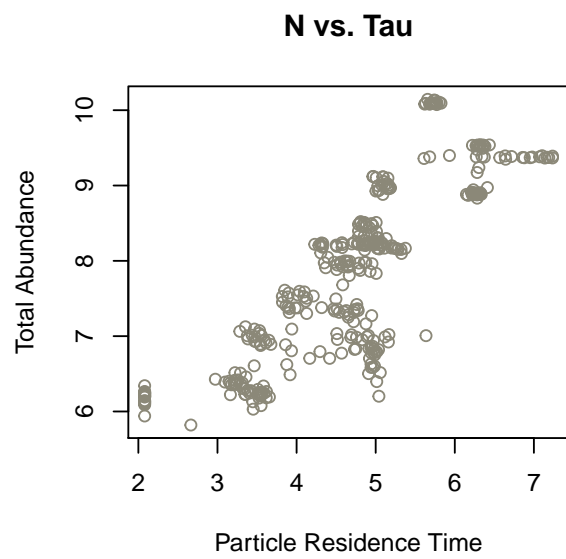
*May 31, 2015*

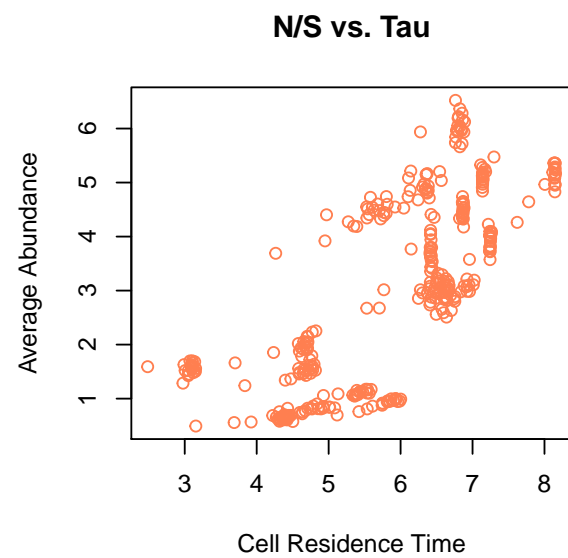
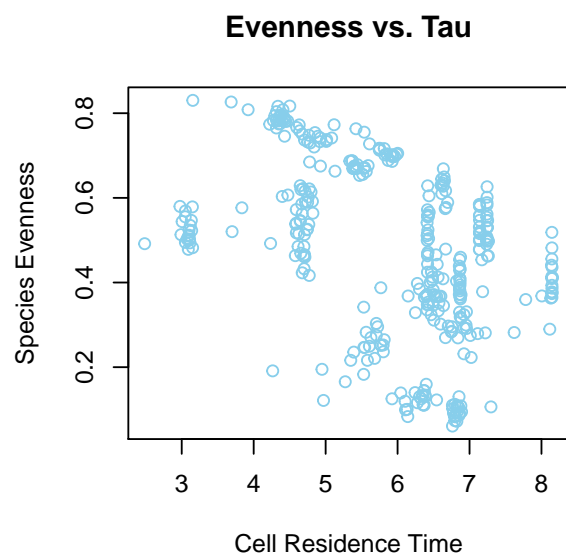
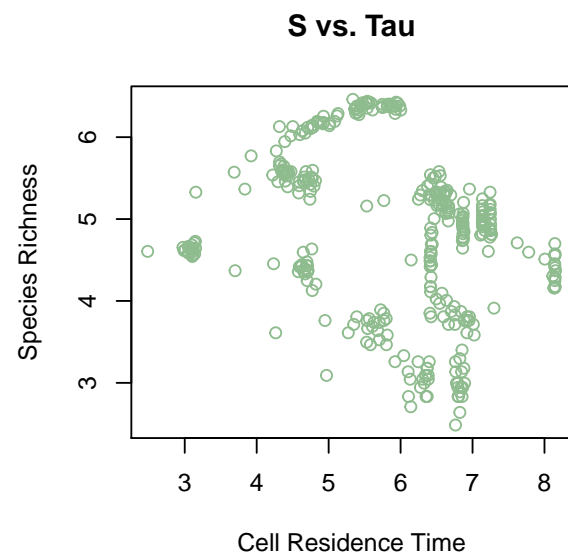
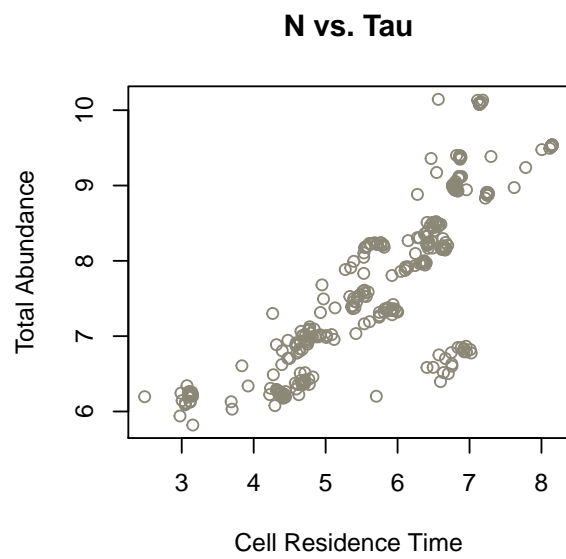
## INTRODUCTION

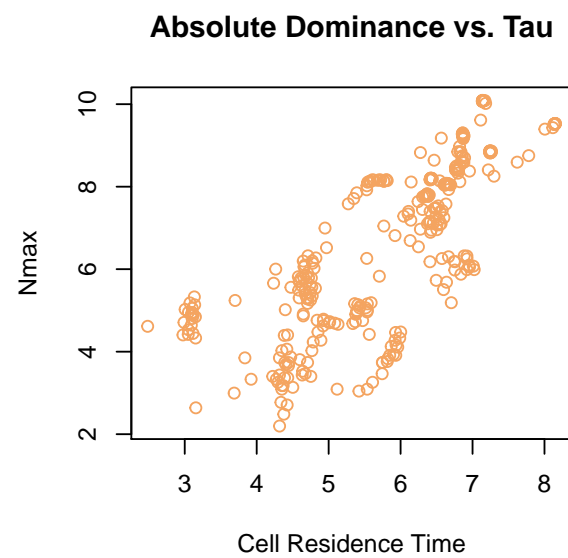
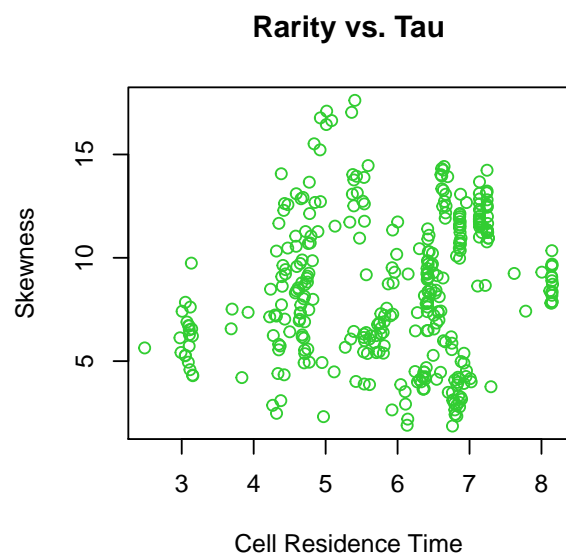
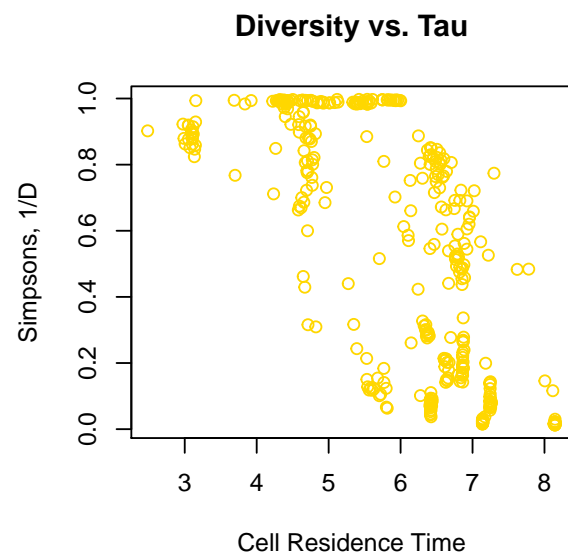
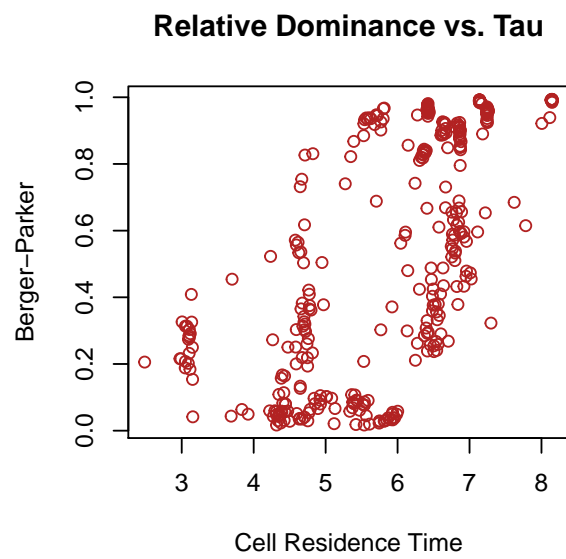
Here, we explore the constraining influence of ... alpha ( $\alpha$ ) diversity. We will quantify general components of  $\alpha$ -diversity: **richness** and **evenness**. From there, we ... **species-abundance distributions (SAD)**.

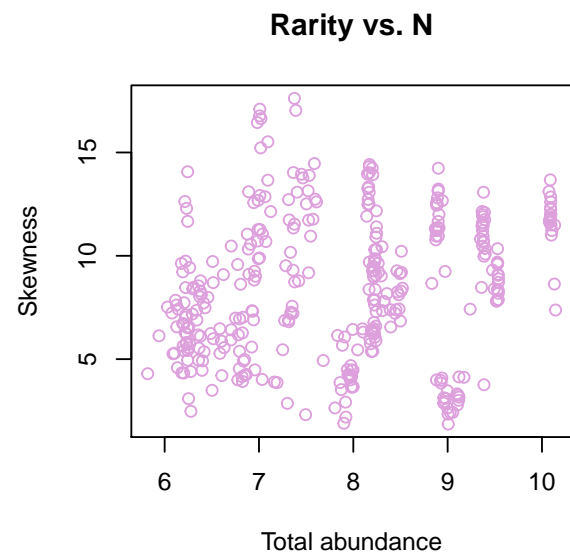
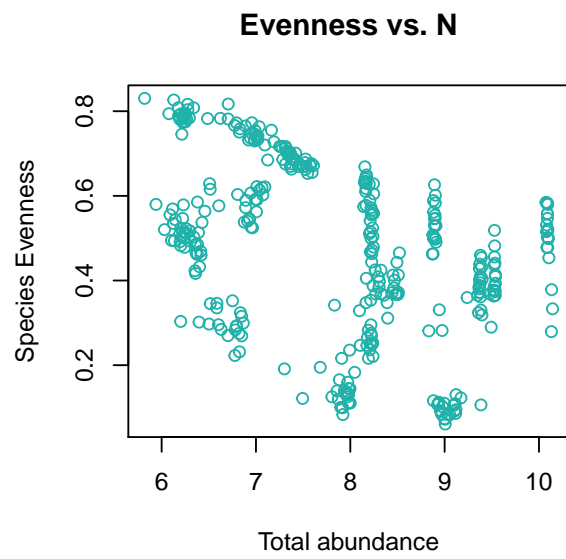
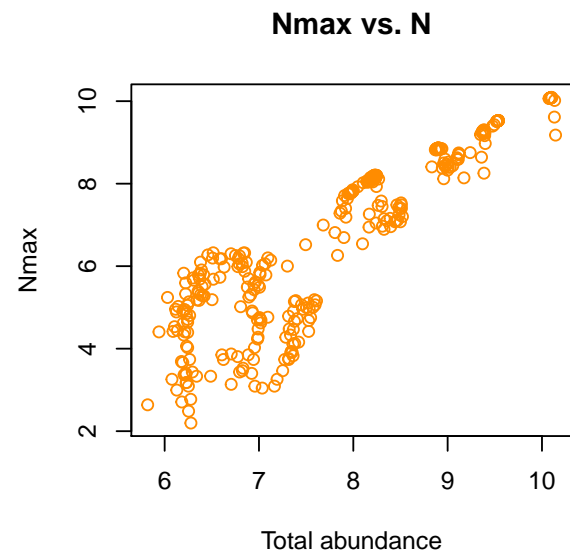
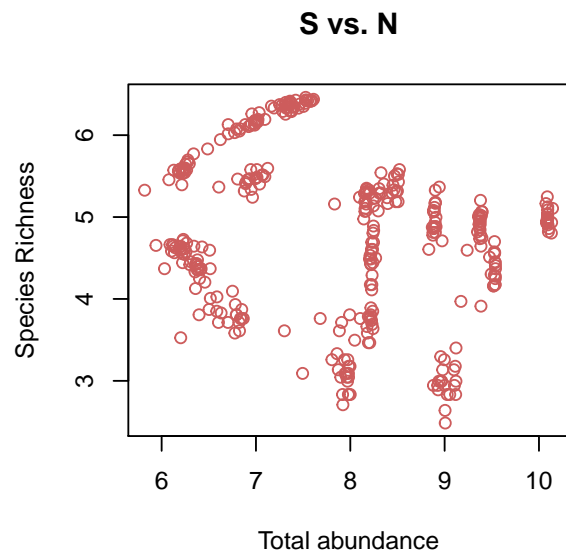
## Univariate relationships



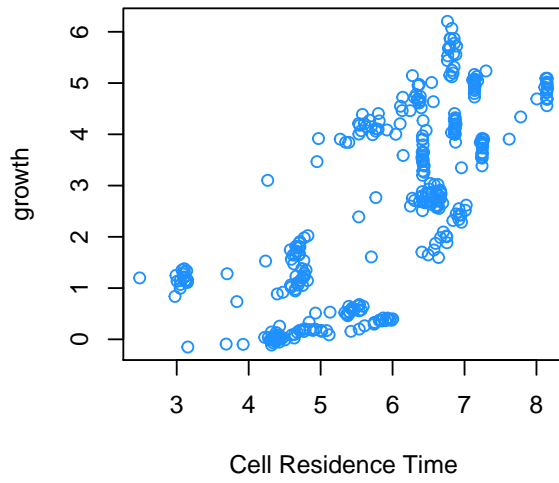




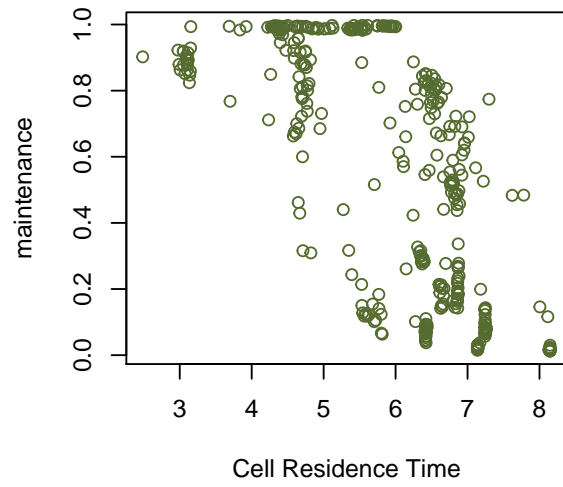




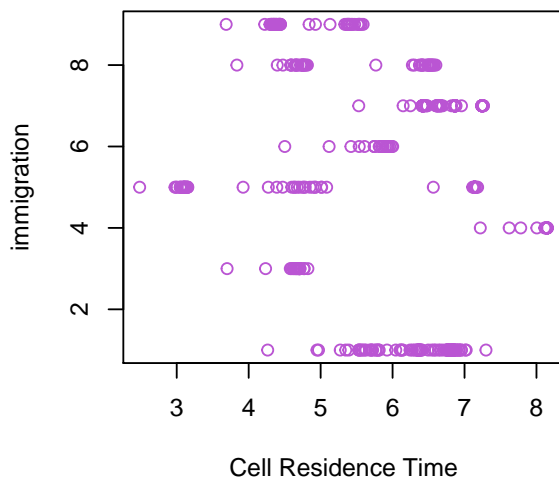
**Per capita growth vs. Tau**



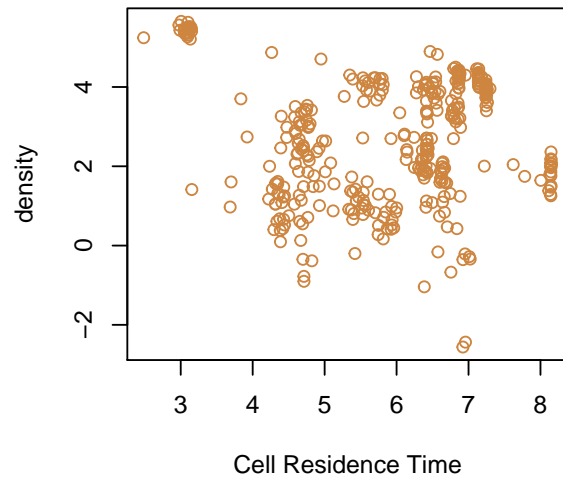
**Per capita maintenance vs. Tau**



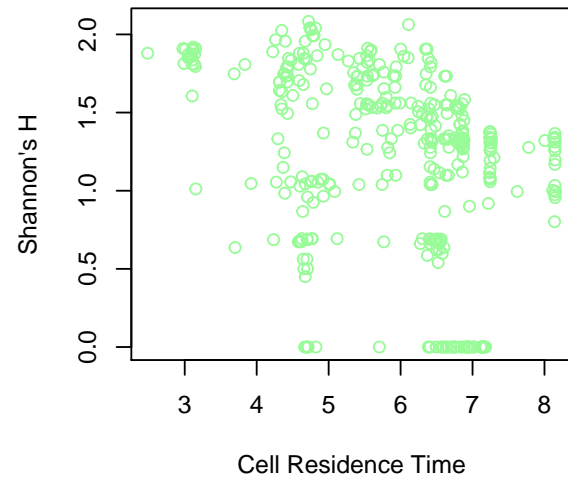
**Immigration vs. Tau**



**Resource density vs. Tau**



**Resource diversity vs. Tau**



**Resource richness vs. Tau**

