Within the chemistry and math folders, tables are created that include information on non-embedded math and chem students for fall terms 2019-2023. These tables are combined into master tables in the **“table.construct”** file. The **“add.course.info”** file removes non-embedded students taking more than one course per-semester and adds course information to remaining students in both the embedded and non-embedded (general) student data tables to facilitate comparison between general and embedded student performance. The **“modeling.tests”** file includes some experimentation with modeling and data manipulation, as well as variable selection via Random Forest. The **“preliminary.models”** file includes additional experimentation, including “collapsing” of a few variables and addition of prior term GPA. The **“final.models”** file includes Propensity Score Matching, the final logistic regression models on the matched data, predicted probability plots, and some additional EDA.