

Analyzing Primary Languages within Tech Goes Home

Marisa Papagelis 2020

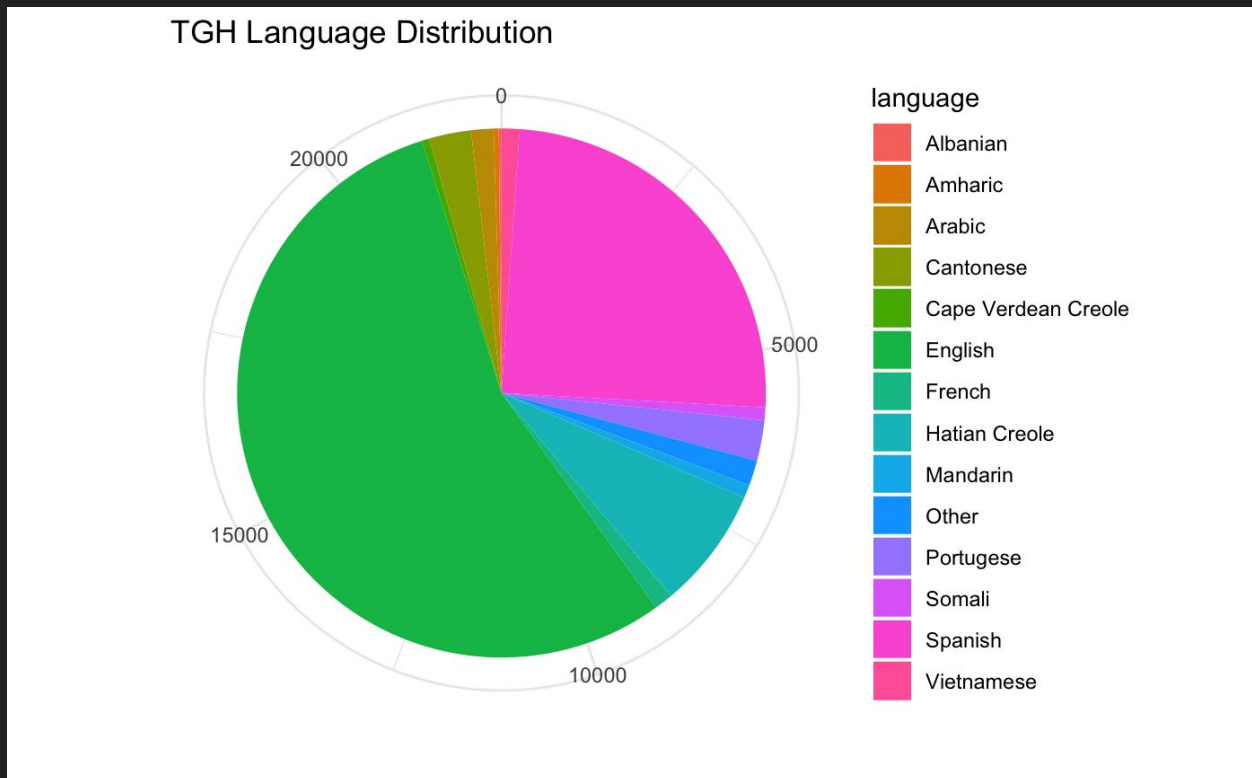
Language distribution

22,927 total TGH
student records

22,344 students
included a primary
language

583 students have
no primary language
recorded

*The coloring is a bit hard to read but
there was no better option... sorry!

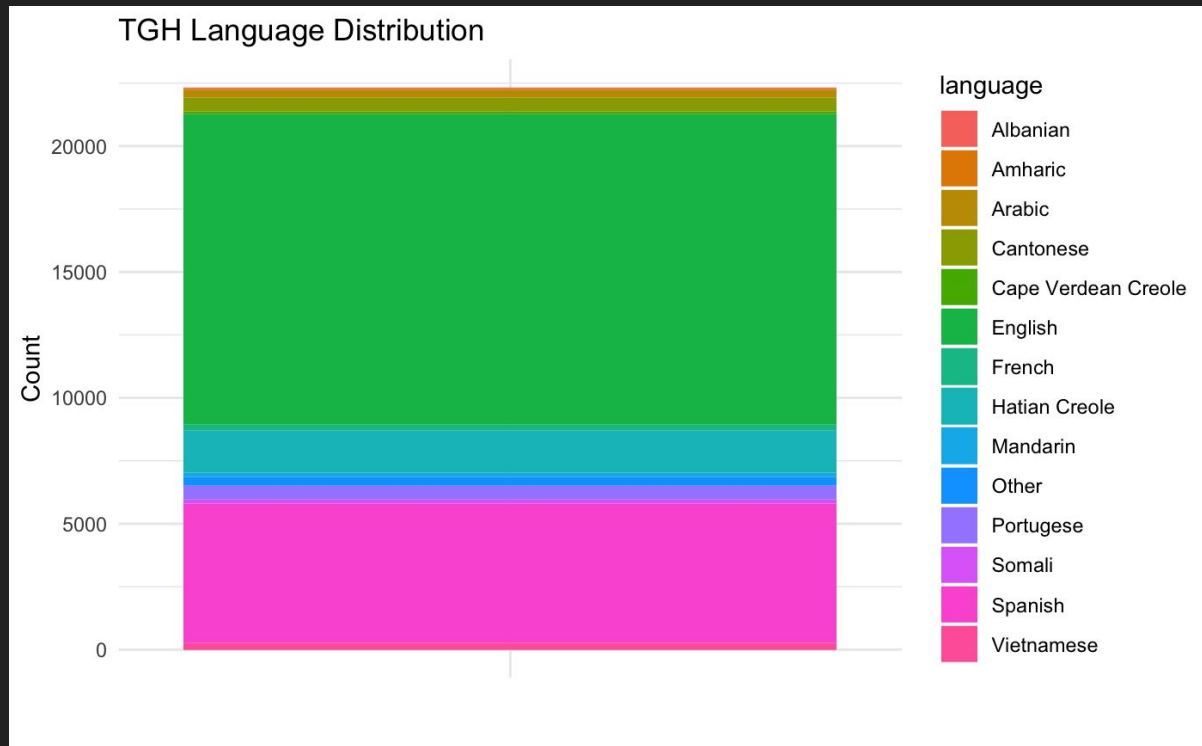


Language distribution

Top 5 Languages:

1. English: 12306
2. Spanish: 5535
3. Haitian Creole: 1663
4. Cantonese: 574
5. Portuguese: 555

Other Languages: 1711



Language by student grade

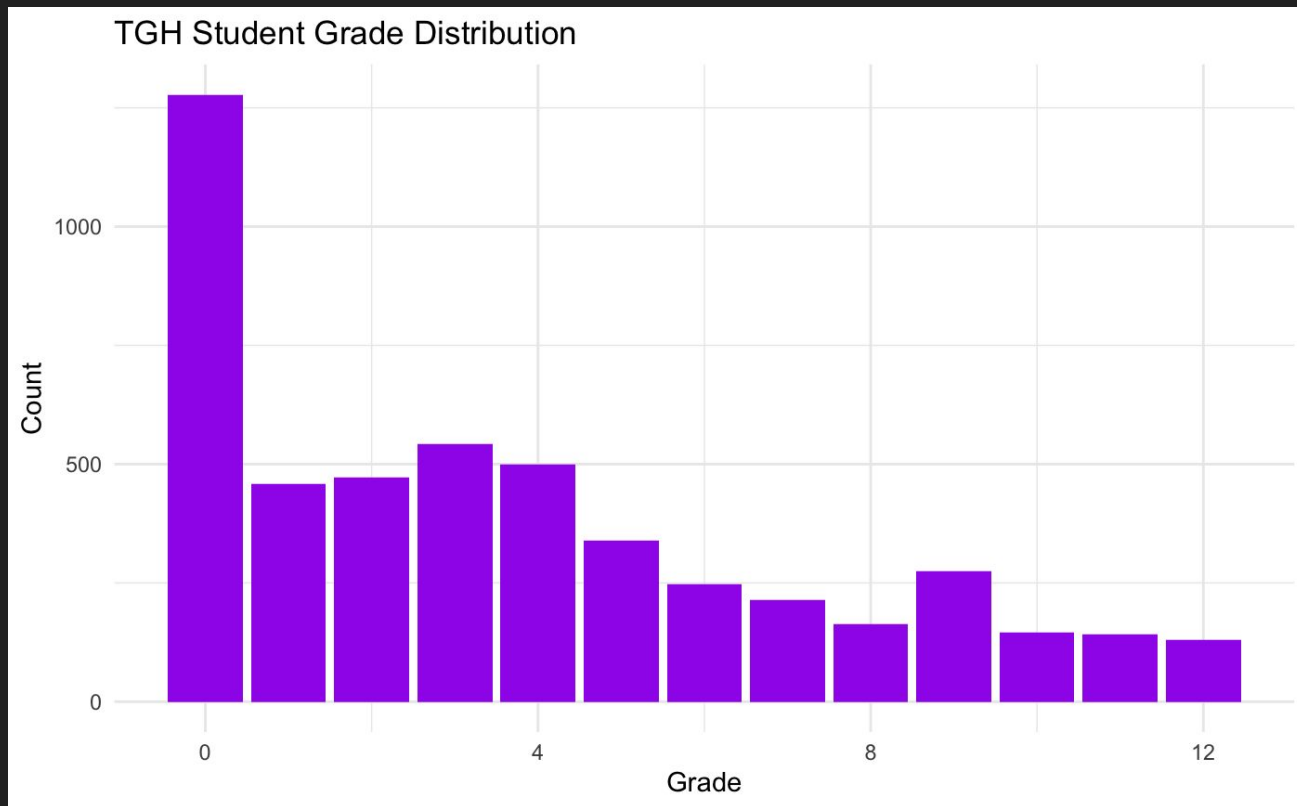
0 accounts for
kindergarten
(K0, K1, K2)

Breakdown:

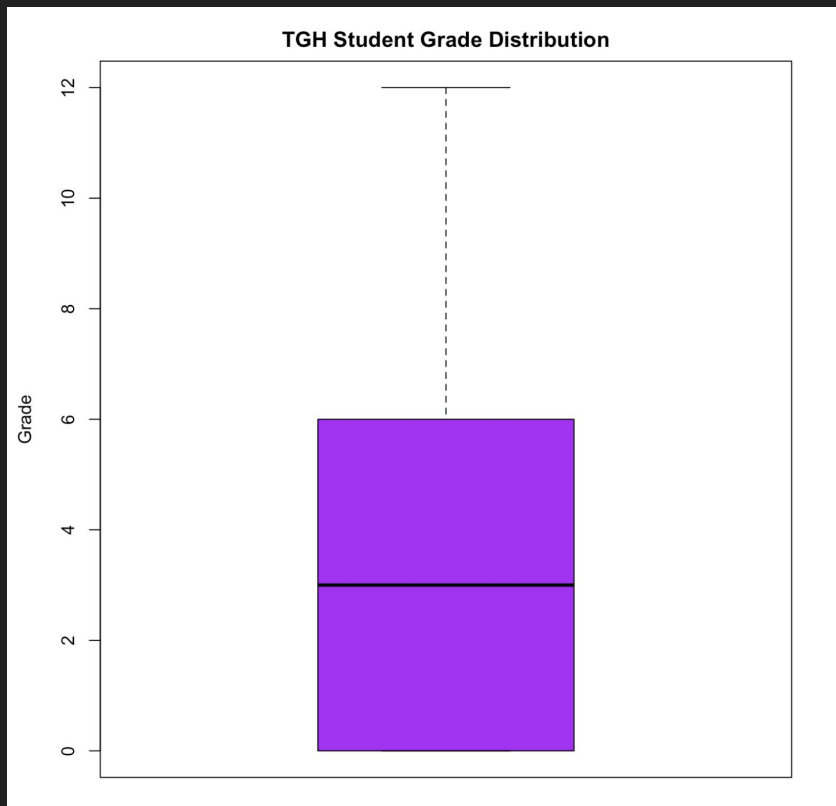
K0: 358

K1: 394

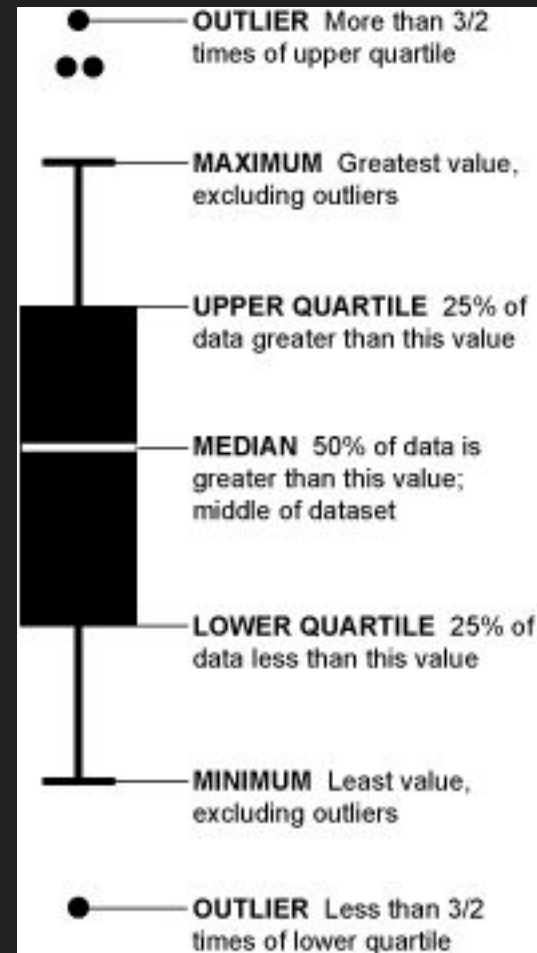
K2: 526



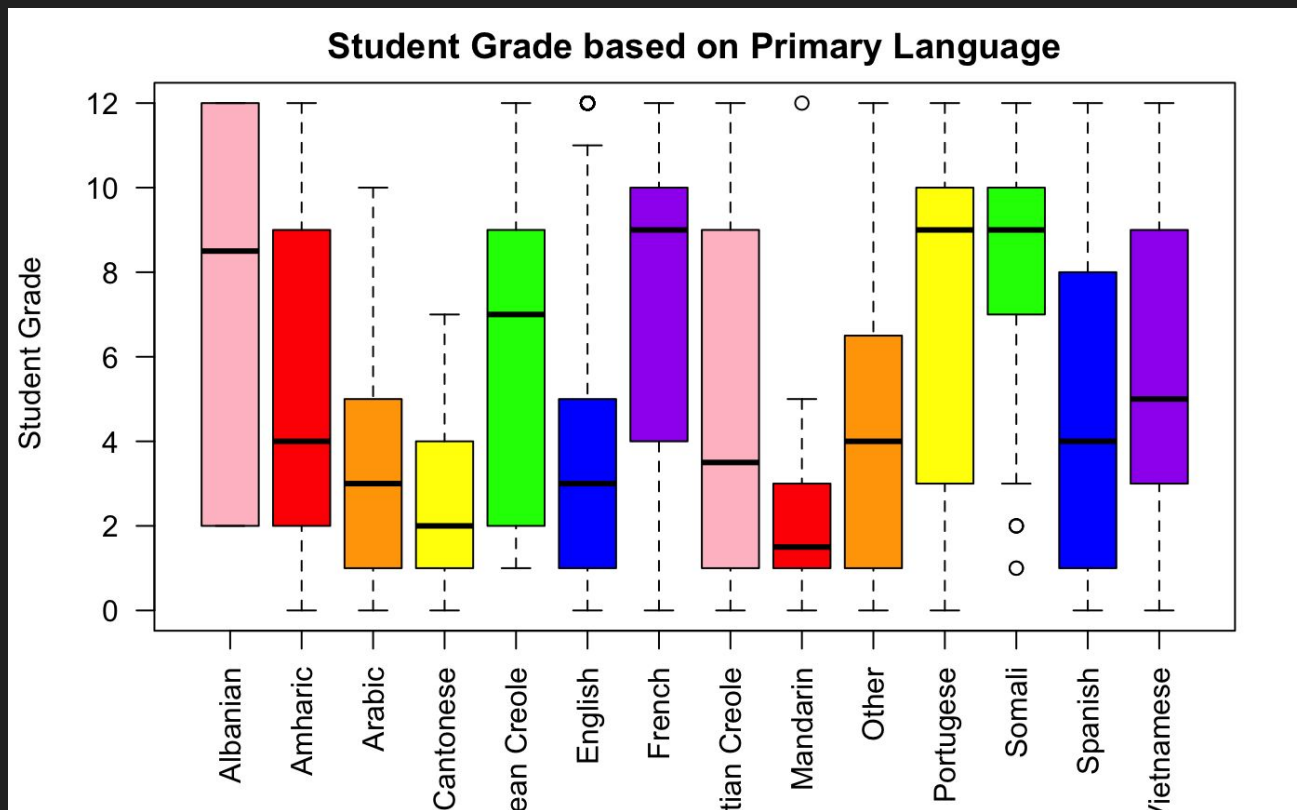
Language by student grade



How to interpret this graph, which is used a lot in the rest of the slides →



Language by student grade



Language by course type

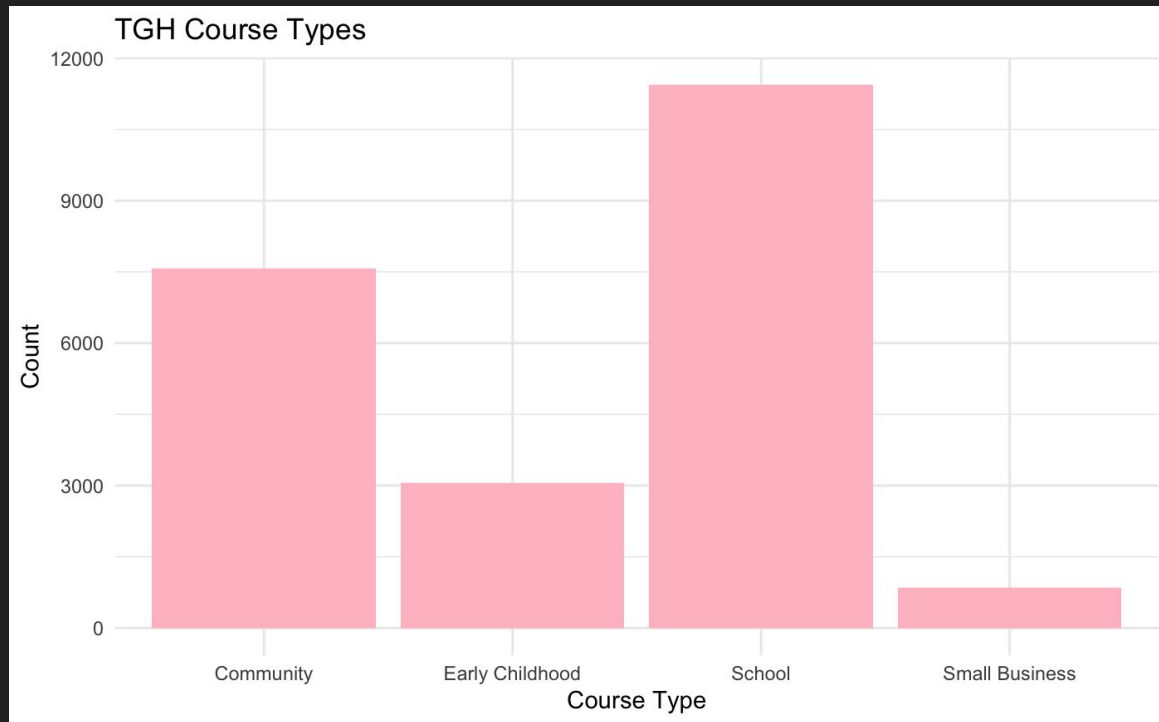
Participants in each
course type:

Community: 7565

Early Childhood: 3065

School: 11450

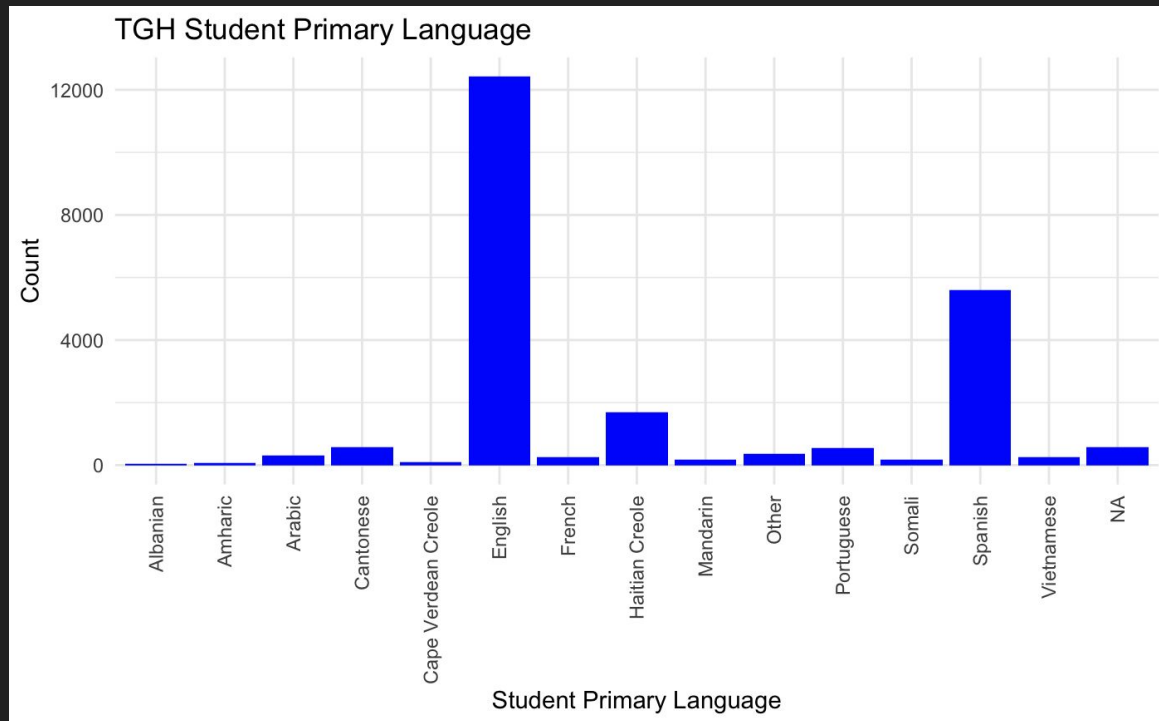
Small Business: 847



Initial language distribution (all 4 course types)

Top 3 languages:

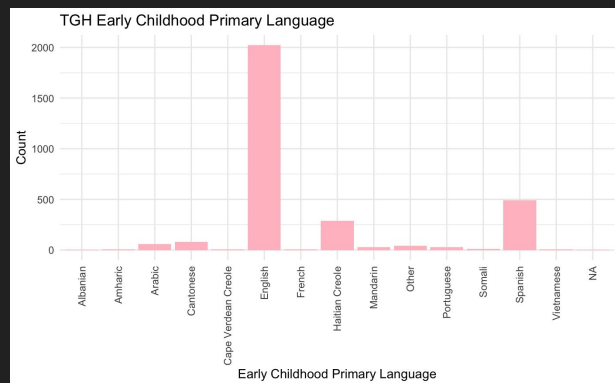
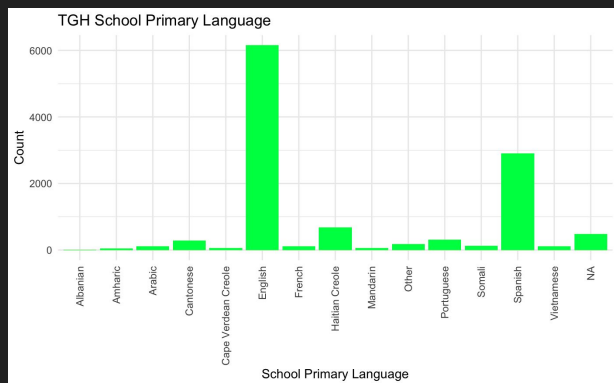
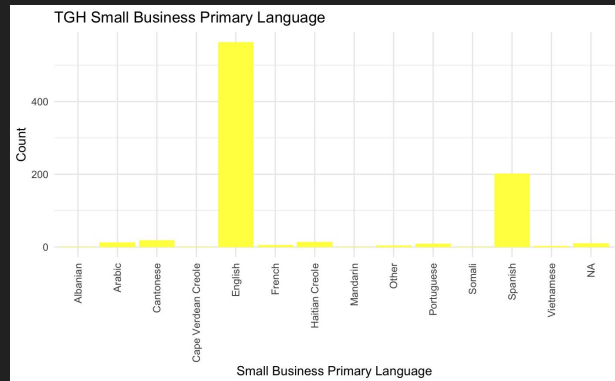
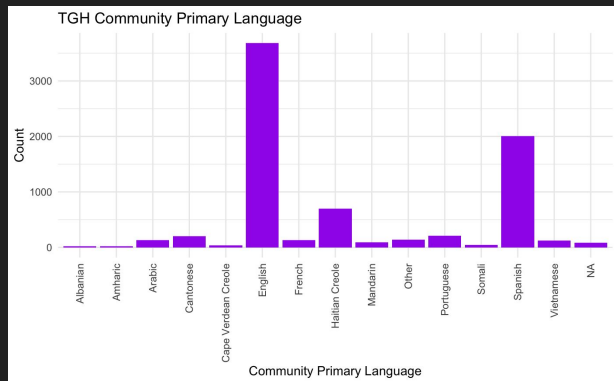
1. English
2. Spanish
3. Haitian Creole



Language by course type

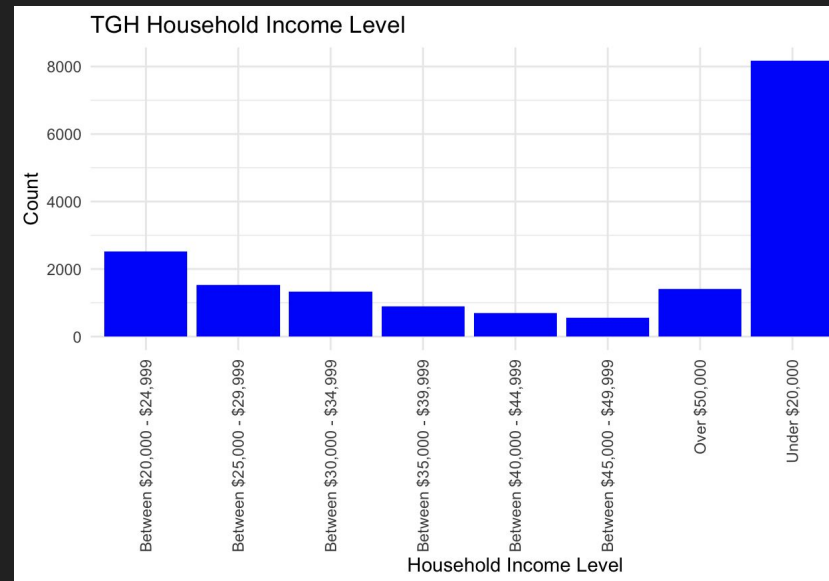
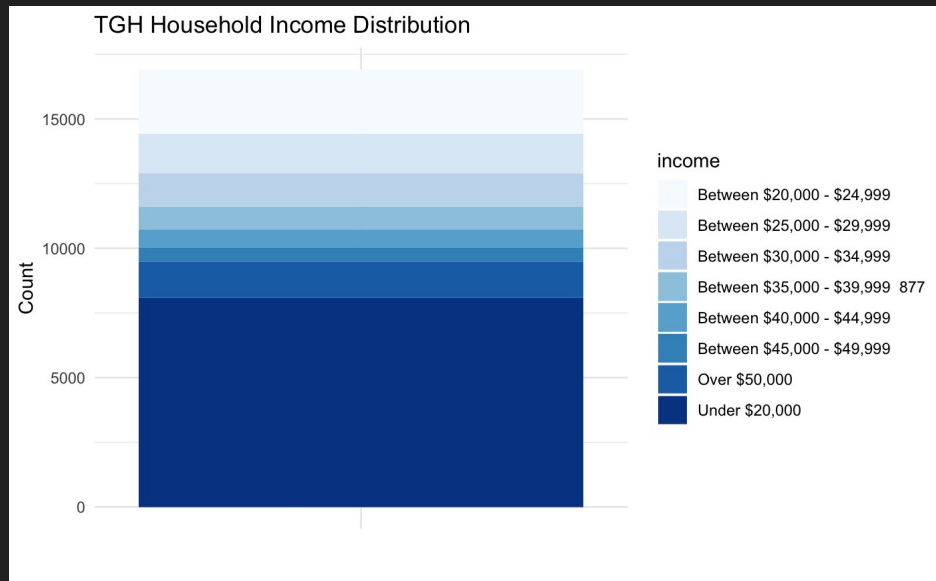
Similar language trends across all four course types

1. English
2. Spanish
3. Haitian Creole



*Different scaling by course

Language by household income



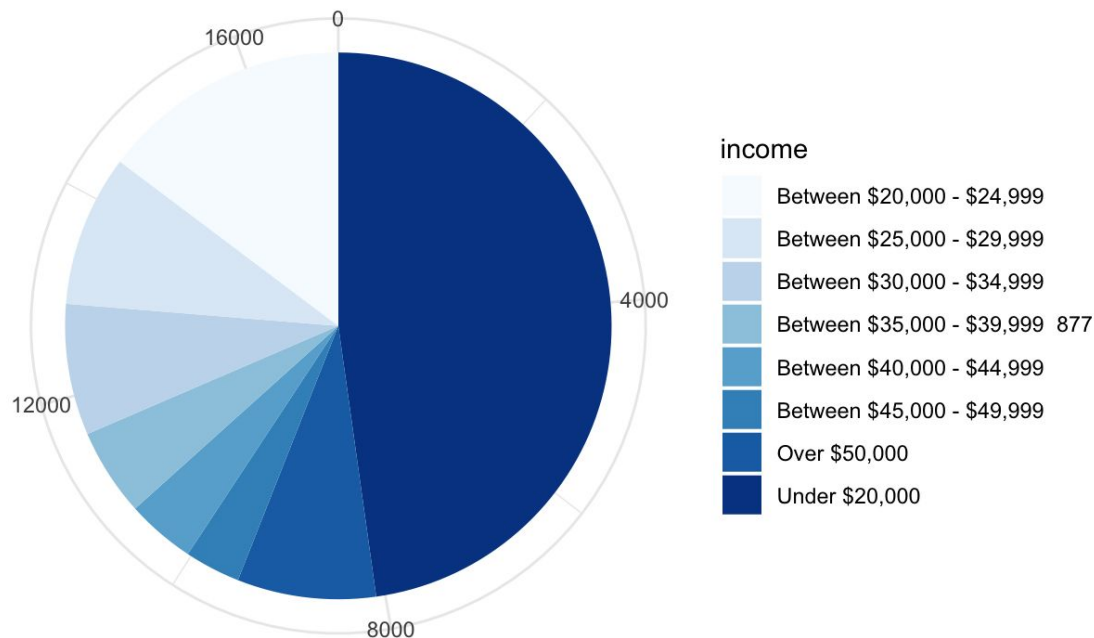
Language by household income

47.8% under
\$20,000

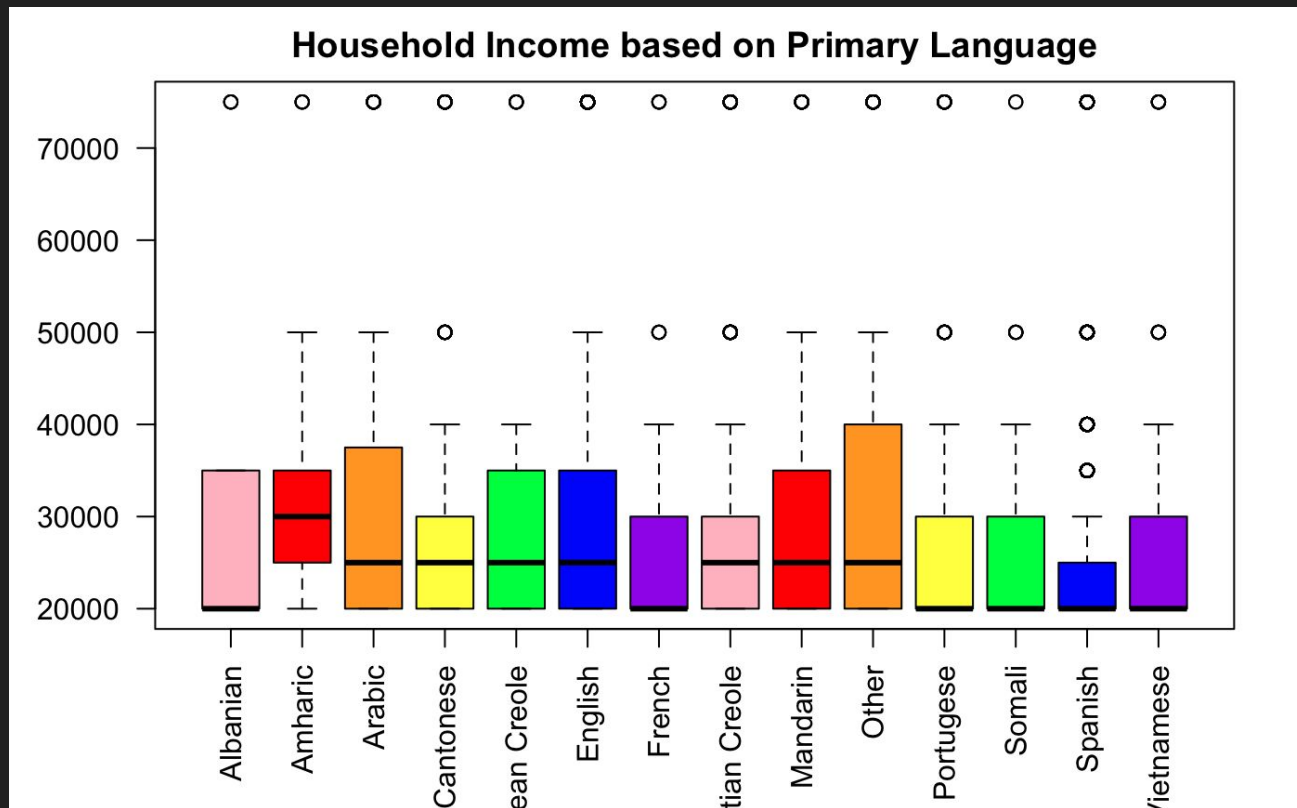
14.7% between
\$20,000-\$24,999

Only 8.2% over
\$50,000

TGH Household Income Distribution



Language by household income



← I set the “Over \$50,000” group to \$75,000 for simplification, which is why there are a line of outliers at the top. They do not impact the final results.

Language by employment status

5552 Full Time

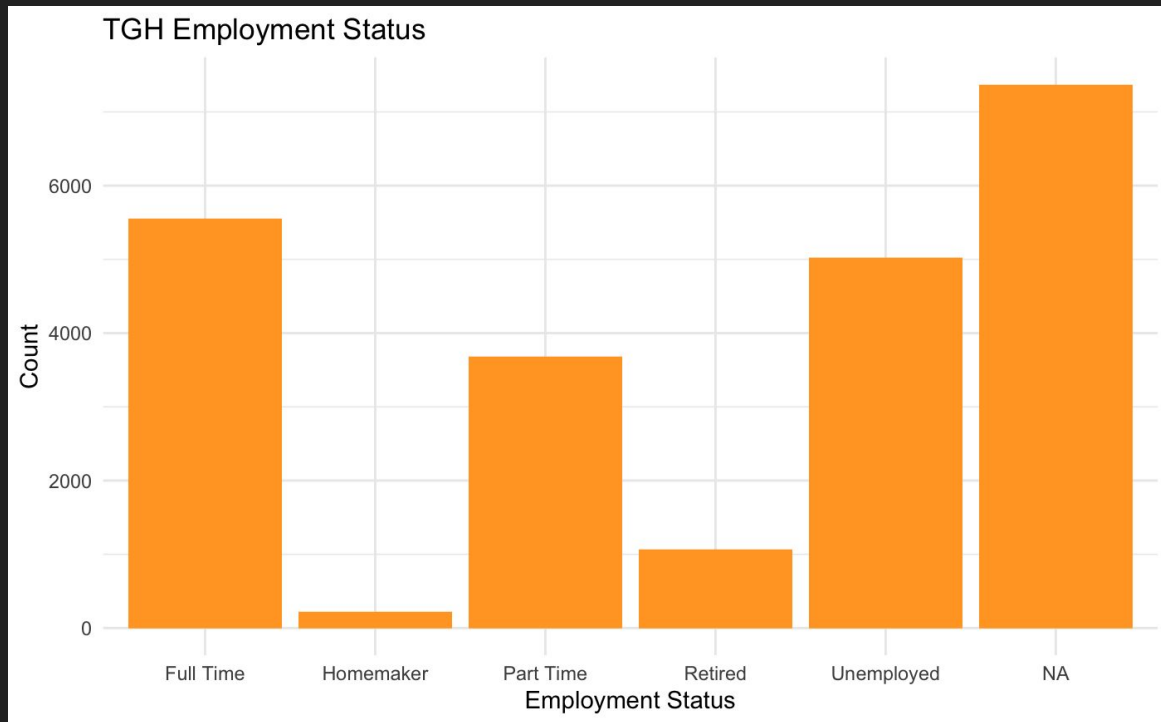
218 Homemaker

3686 Part Time

1071 Retired

5026 Unemployed

7374 N/A (excluded from results)

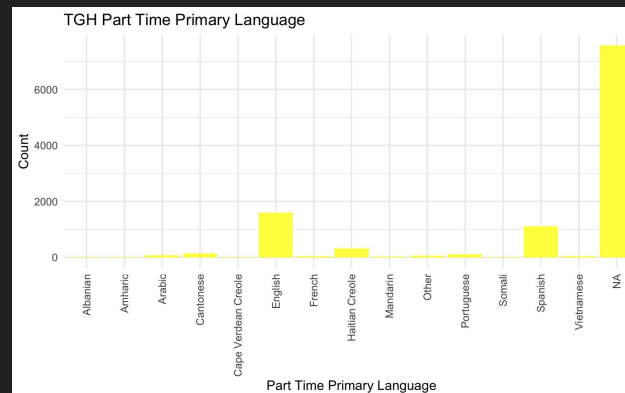
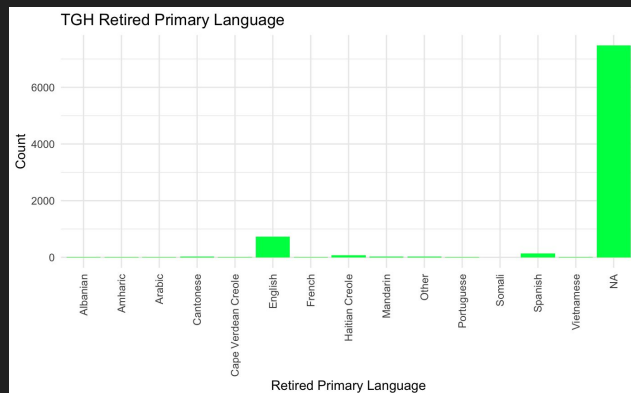
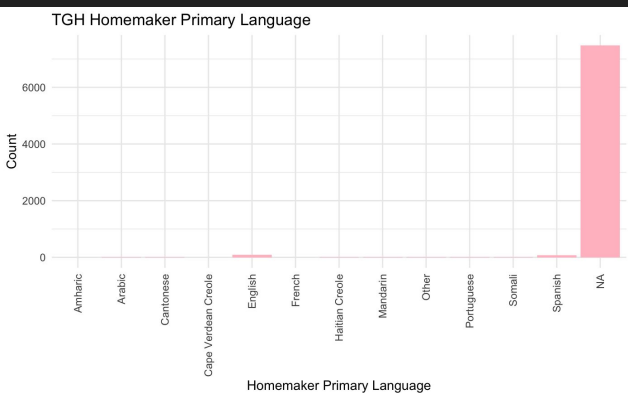
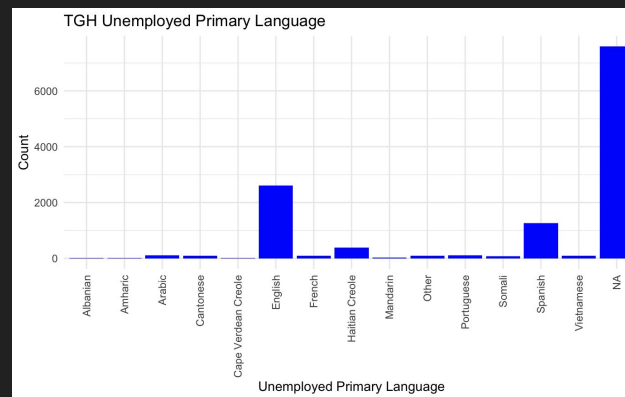
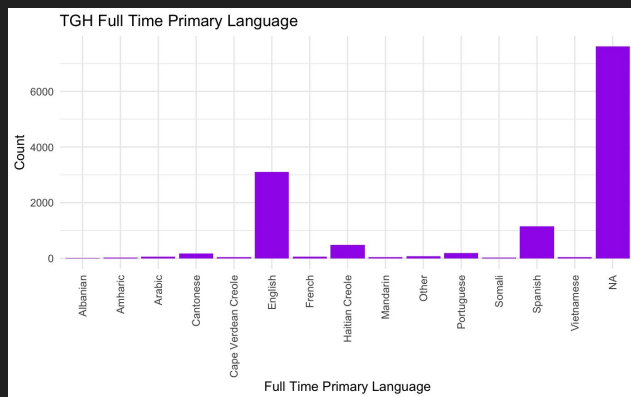


Language by employment status

Similar language trends across all five employment statuses

1. English

*Scaling is the same by employment status



Language by year

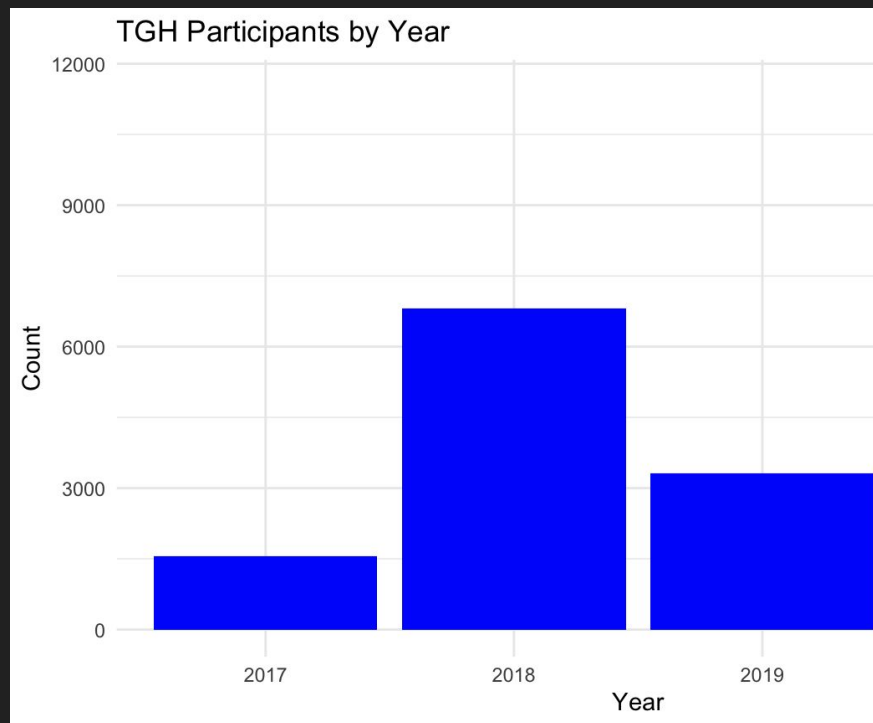
2017: 1548

2018: 6809

2019: 3319

0: 7045

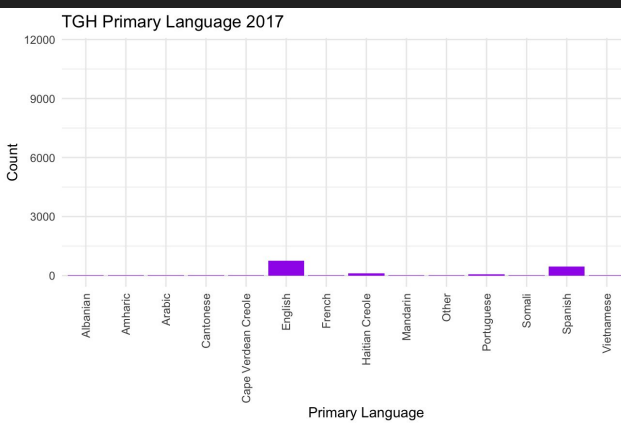
N/A: 4466



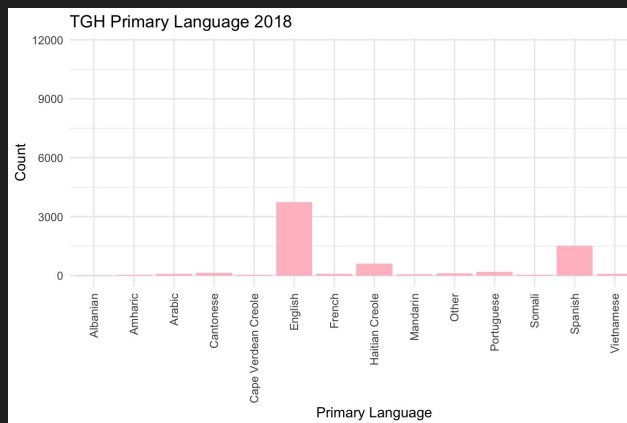
*Only looking at at 2017-2019

**Noting that there are ~50% less participants in 2019 than 2018

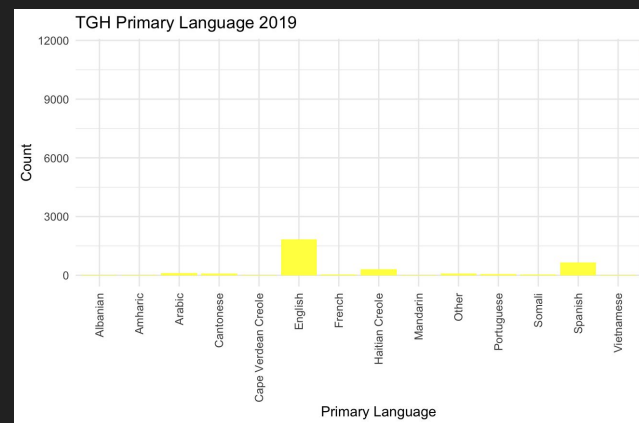
Languages by year



2017



2018



2019

*Scale is the same between years for comparison