

Final Project: Group 3

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Abstract

Sign Up: One or two sentences providing a **basic introduction** to the field,
comprehensible to a scientist in any discipline.

Two to three sentences of **more detailed background**, comprehensible to scientists
in related disciplines.

One sentence clearly stating the **general problem** being addressed by this particular
study.

One sentence summarizing the main result (with the words “**here we show**” or their
equivalent).

Two or three sentences explaining what the **main result** reveals in direct comparison
to what was thought to be the case previously, or how the main result adds to previous
knowledge.

One or two sentences to put the results into a more **general context**.

Two or three sentences to provide a **broad perspective**, readily comprehensible to
a scientist in any discipline.

Keywords: keywords

Word count: X

Final Project: Group 3

Introduction

Alejandra will do depression and health disparities (short 1 paragraph) Maria will do drug use onset and health disparities (short 1 paragraph)

Methods

Sign up:

We report how we determined our sample size, all data exclusions (if any), all manipulations, and all measures in the study.

Participants

Sign up:

Measures

sign up: Alejandra will describe the measures for depression, use of mental health services, and insurance coverage.

Data analysis

We used R (Version 3.5.1; R Core Team, 2018) and the R-packages *bindrcpp* (Version 0.2.2; Müller, 2018), *dplyr* (Version 0.7.8; Wickham, François, Henry, & Müller, 2018), *forcats* (Version 0.3.0; Wickham, 2018a), *ggplot2* (Version 3.0.0; Wickham, 2016), *here* (Version 0.1; Müller, 2017), *kableExtra* (Version 0.9.0; Zhu, n.d.), *papaja* (Version 0.1.0.9842; Aust & Barth, 2018), *purrr* (Version 0.2.5; Henry & Wickham, 2018), *readr* (Version 1.1.1; Wickham, Hester, & Francois, 2018), *rio* (Version 0.5.10; C.-h. Chan, Chan, Leeper, & Becker, 2018), *stringr* (Version 1.3.1; Wickham, 2018b), *tibble* (Version 1.4.2;

48 Müller & Wickham, 2018), *tidyr* (Version 0.8.1; Wickham & Henry, 2018), and *tidyverse*
49 (Version 1.2.1; Wickham, 2017) for all our analyses. sign up:

50 Results

51 We should use inline code here sign up:

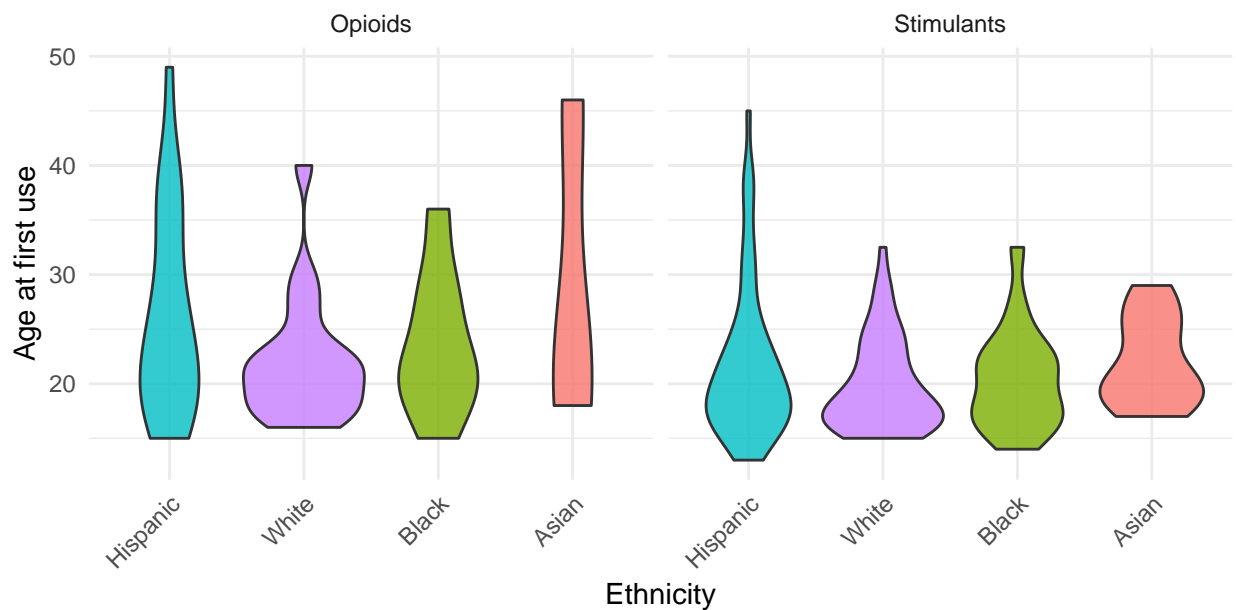
52 Alejandra will do the description of her plot (depression, health insurance coverage,
53 visit to mental health, broken down by ethnicities).

54 `## Warning: Removed 425 rows containing missing values (geom_col).`

55 Shaina will describe her plot of drug use by ethnicities

Age of First Use by Ethnicity

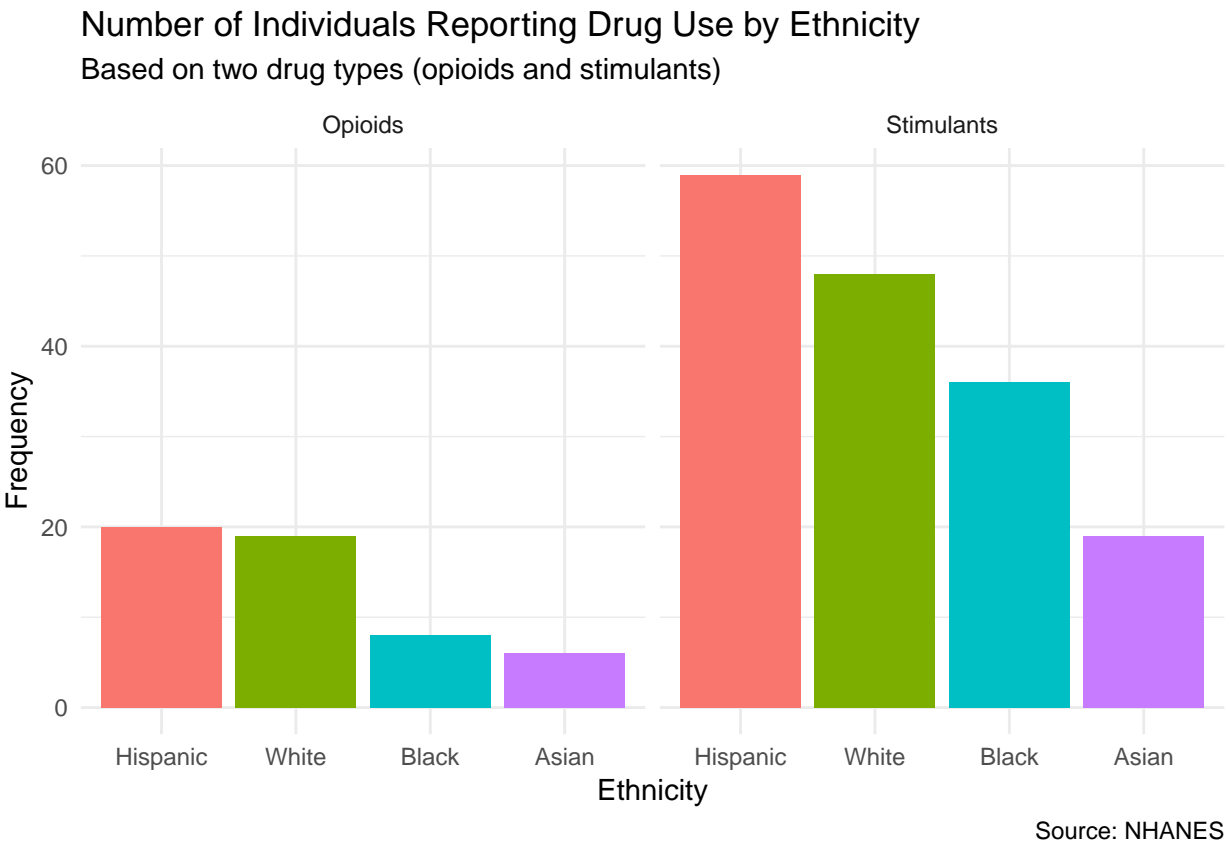
Based on two drug types (opioids and stimulants)

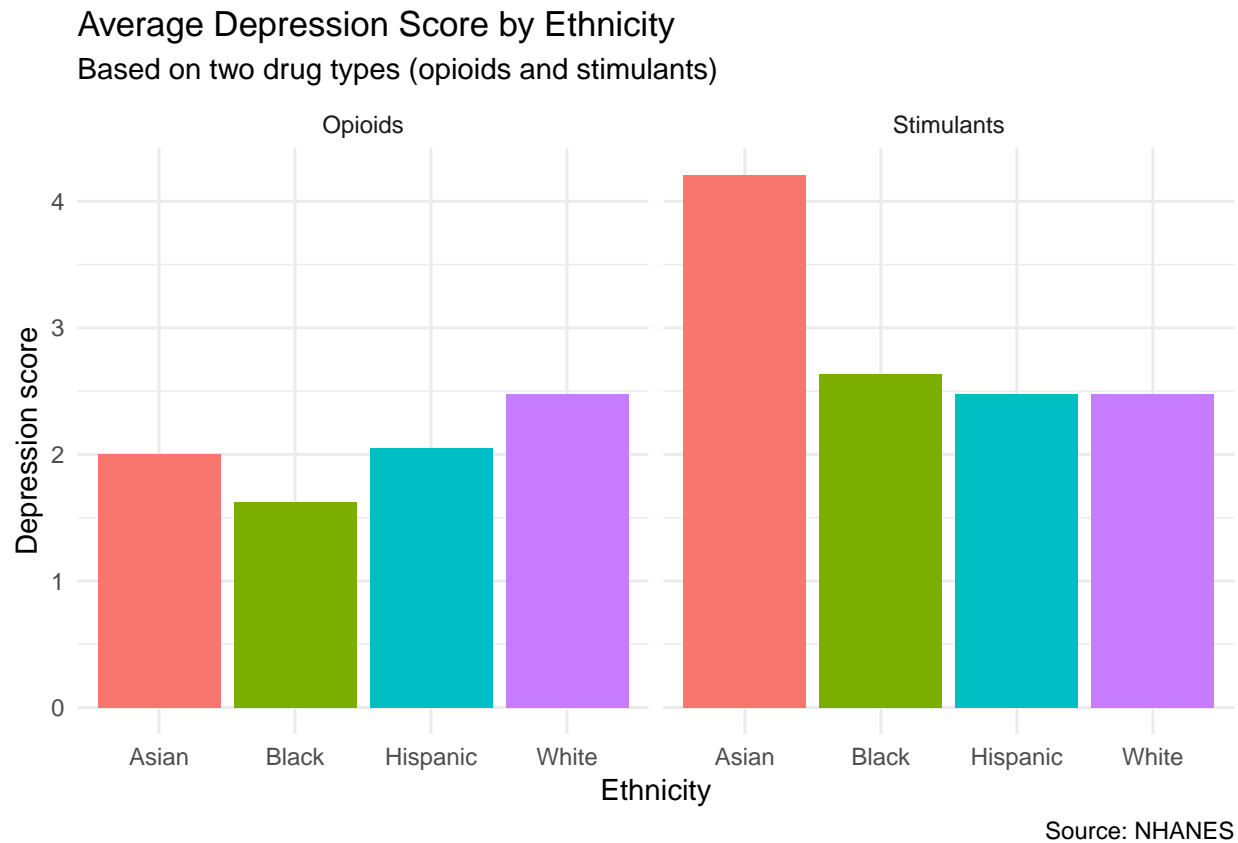


Source: NHANES

56

57 plot 2





60

61 ST table

```
62 ## Warning: Expected 2 pieces. Missing pieces filled with `NA` in 10 rows [1,  
63 ## 2, 3, 4, 5, 6, 7, 8, 9, 10].
```

64

Discussion

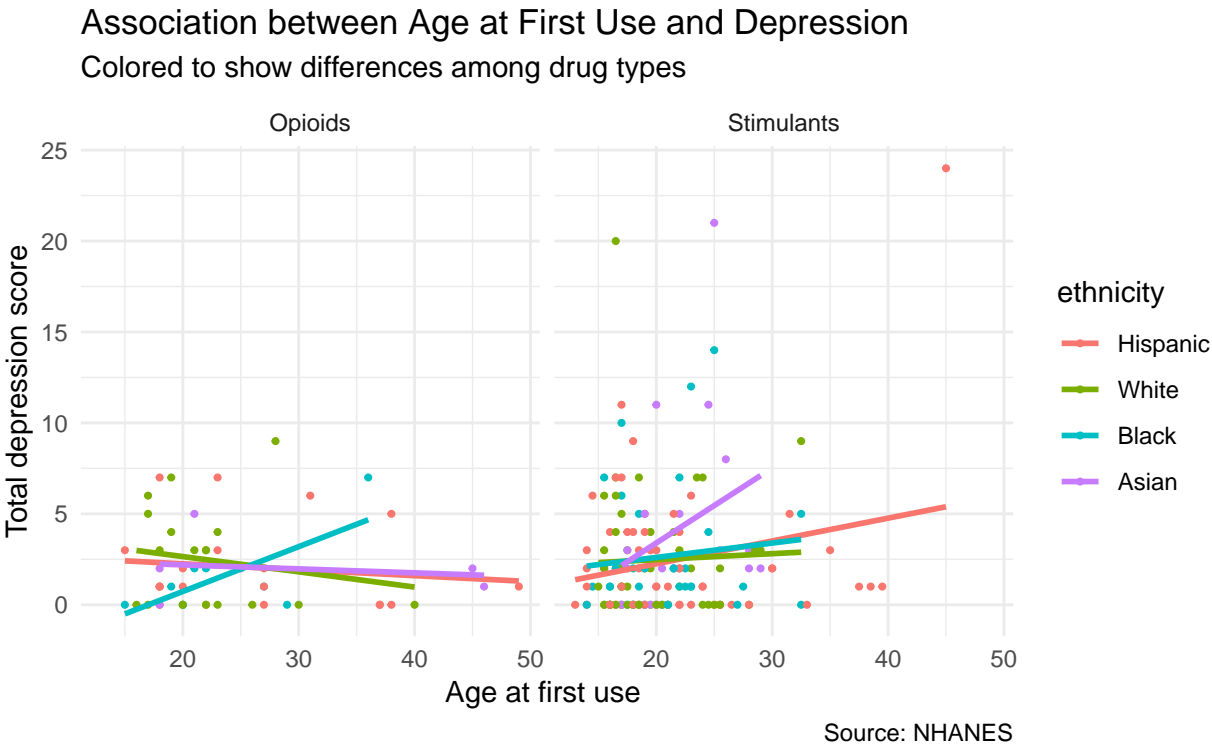
65

sign up:

66

Insert one data visualization – we are using two, I believe Alejandra's viz. and one

67 from Shaina Exploratory association plot?



68

69 Insert Table – JP?

References

sign up: Alejandra will include the references used in the intro.

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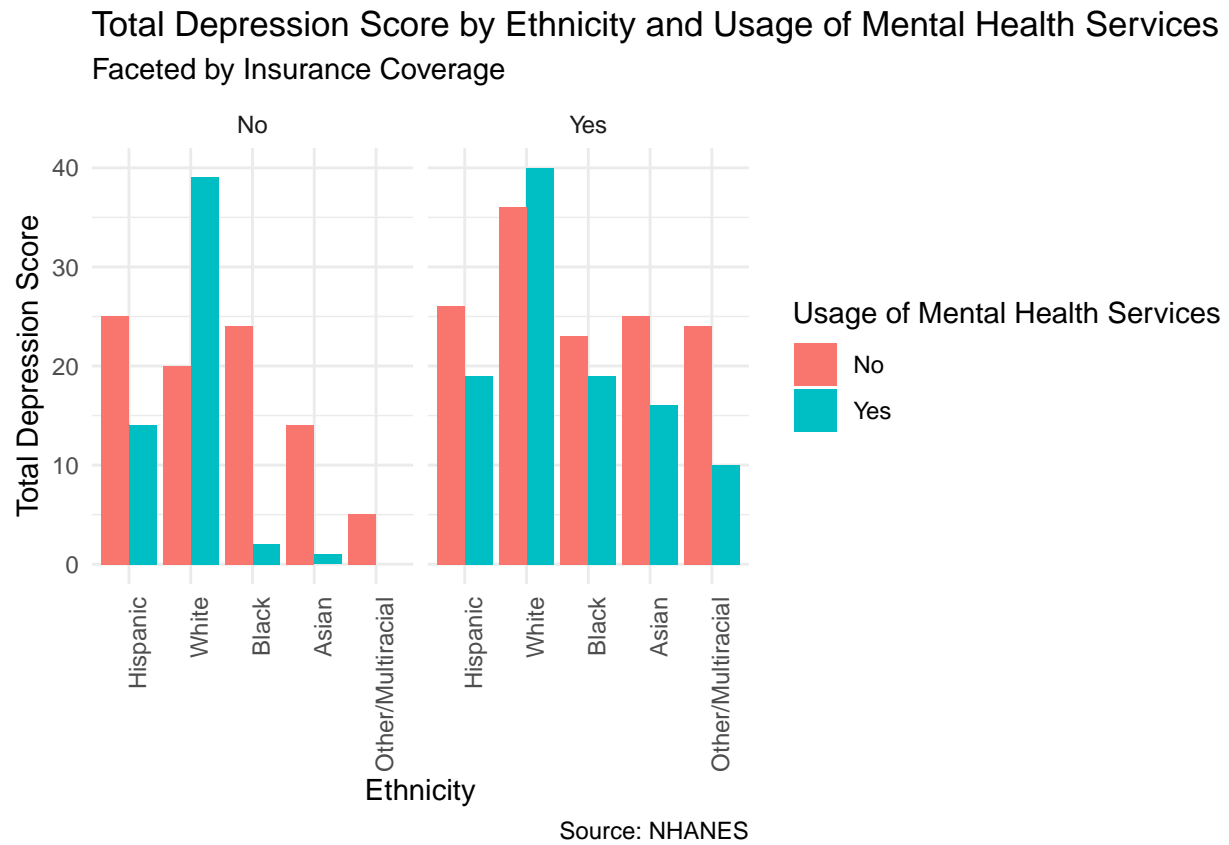
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Table 1

Average depression score and age of first use of opioids and stimulants

Ethnicity	Depression Score	Opioid Use	Stimulant Use
Asian	3.01	27.86	21.73
Black	3.16	22.18	20.30
Hispanic	3.29	25.81	21.43
Other/Multiracial	3.47	22.33	18.93
White	3.53	21.60	20.23

*Figure 1*