

Mental Health Survey Analysis

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TODO:

- add counts to tables
- significance to difference table
- fix 1D error things
- which ethnicity should we use???

1 Demographics

1.1 UC Berkeley Demographics

Ethnicity	Count	Prop.F.	Prop.M.	Prop.D.	Prop.T.
African American/Black	947	0.58	0.41	0.00	0.03
Mexican American/Chicano	3056	0.59	0.41	0.00	0.10
Other Hispanic/Latino	1102	0.57	0.43	0.00	0.04
Native American/Alaska Native	172	0.58	0.41	0.01	0.01
Pacific Islander	58	0.57	0.43	0.00	0.00
Chinese	5050	0.51	0.48	0.00	0.17
Filipino	867	0.59	0.41	0.00	0.03
Japanese	461	0.57	0.43	0.00	0.02
Korean	1347	0.49	0.51	0.00	0.05
Other Asian	331	0.57	0.43	0.00	0.01
South Asian	2240	0.46	0.53	0.00	0.08
Vietnamese	907	0.58	0.42	0.00	0.03
White	7594	0.50	0.50	0.00	0.26
Decline to State	1199	0.42	0.42	0.16	0.04
International	3979	0.49	0.50	0.01	0.14
Total	29310	0.52	0.47	0.01	1.00
Underrepresented Minority Subtotal	5277	0.58	0.41	0.00	0.18

- Prop.F = Proportion Female, Prop.M = Proportion Male, Prop.D = Proportion Undefined, Prop.T = Proportion Total.
- Data from: <http://opa.berkeley.edu/uc-berkeley-fall-enrollment-data>
- Note, underrepresented groups are defined as African American, Chicano/Latino, and Native American/Alaska Native.

1.2 Survey Demographics

1.3 UC Berkeley and survey comparison

FIGURE OUT SIGNIFICANCE HERE

Ethnicity	Count	Proportion
White	1091	0.1509
Korean	186	0.0257
Chinese	772	0.1068
Filipino	125	0.0173
Japanese	55	0.0076
Vietnamese	128	0.0177
Other Asian	70	0.0097
South Asian	276	0.0382
International	542	0.0750
Decline to State	145	0.0201
Pacific Islander	53	0.0073
Other Hispanic/Latino	699	0.0967
African American/Black	864	0.1195
Mexican American/Chicano	2048	0.2832
Native American/Alaska Native	177	0.0245

2 All results

2.1 General living

2.2 Academic Life

2.3 Sleeping and eating habits

```
## Error in apply(df, 2, function(x) prop.table(table(x, useNA = "always"))): dim(X) must have a positive length
```

2.4 Mental Well-being

```
## Error in apply(df, 2, function(x) prop.table(table(x, useNA = "always"))): dim(X) must have a positive length
```

2.5 Sexual Violence

```
## Error in apply(df, 2, function(x) prop.table(table(x, useNA = "always"))): dim(X) must have a positive length
```

```
## Error in apply(df, 2, function(x) prop.table(table(x, useNA = "always"))): dim(X) must have a positive length
```

2.6 Campus Resources

```
## Error in maketable(): argument "dataframe" is missing, with no default
```

	Ethnicity	Berkeley_Prop	Survey_Prop	Difference
1	African American/Black	0.03	0.12	-0.09
2	Mexican American/Chicano	0.10	0.28	-0.18
3	Other Hispanic/Latino	0.04	0.10	-0.06
4	Native American/Alaska Native	0.01	0.02	-0.02
5	Pacific Islander	0.00	0.01	-0.01
6	Chinese	0.17	0.11	0.07
7	Filipino	0.03	0.02	0.01
8	Japanese	0.02	0.01	0.01
9	Korean	0.05	0.03	0.02
10	Other Asian	0.01	0.01	0.00
11	South Asian	0.08	0.04	0.04
12	Vietnamese	0.03	0.02	0.01
13	White	0.26	0.15	0.11
14	Decline to State	0.04	0.02	0.02
15	International	0.14	0.07	0.06
16	Total	1.00	1.00	0.00
17	Underrepresented Minority Subtotal	0.18	0.52	-0.34

	Strongly Disagree	Disagree	Slightly Disagree	Neither	Slightly Agree	Agree	Strongly Agree	NA
The conditions of my life are excellent	0.007	0.012	0.014	0.015	0.029	0.039	0.011	0.873
I am satisfied with my life	0.006	0.012	0.013	0.013	0.026	0.040	0.016	0.873
I am satisfied with my living conditions	0.007	0.011	0.014	0.011	0.027	0.040	0.017	0.873
Where I live, I feel safe	0.005	0.010	0.013	0.012	0.026	0.042	0.018	0.873
Confidence in financial situation	0.015	0.019	0.017	0.012	0.022	0.025	0.014	0.875
Often cut back on important spending	0.015	0.015	0.019	0.012	0.020	0.030	0.015	0.875
I have been concerned about money lately	0.006	0.013	0.008	0.009	0.025	0.032	0.032	0.875

	Very Poor	Poor	Fair	Good	Very Good	NA
Physical Health	0.005	0.017	0.040	0.050	0.015	0.873
Mental Health	0.012	0.029	0.040	0.037	0.009	0.873
Academic life	0.008	0.016	0.038	0.048	0.015	0.875
Social life	0.009	0.019	0.040	0.044	0.012	0.875
Residential life	0.007	0.017	0.042	0.046	0.012	0.875

	Strongly Disagree	Disagree	Slightly Disagree	Neither	Slightly Agree	Agree	Strongly Agree	NA
Academics is the main reason I am stressed in my life	0.002	0.009	0.008	0.010	0.029	0.038	0.026	0.877
I feel pressured by parents' expectations to succeed	0.022	0.021	0.014	0.019	0.023	0.015	0.009	0.877
I feel pressured by my own expectations to succeed	0.002	0.001	0.001	0.005	0.019	0.042	0.052	0.877
My stress impacts me more physically than mentally	0.006	0.020	0.023	0.035	0.020	0.010	0.008	0.877
Univ. adequately provides support with academic stress	0.012	0.015	0.015	0.037	0.023	0.017	0.003	0.877
I utilize campus resources for anxiety/academic stress	0.019	0.030	0.016	0.024	0.017	0.011	0.005	0.877

	Rarely or none of the time	Some or a little of the time	Occasionally or a moderate amount of the time	All of the time	NA
Past week: I felt anxious and agitated	0.015	0.036	0.040	0.034	0.876
Past week: I felt stressed due to academic reasons	0.008	0.025	0.044	0.046	0.876
Past week: My academic stress prevented me from maintaining my self-care	0.029	0.032	0.031	0.031	0.876

	No	Yes	NA
Sleep obstacles: Academics	0.023	0.099	0.878
Sleep obstacles: Anxiety	0.059	0.063	0.878
Sleep obstacles: Concerns about post-graduation	0.087	0.035	0.878
Sleep obstacles: Finances	0.081	0.041	0.878
Sleep obstacles: Living conditions	0.094	0.028	0.878
Sleep obstacles: Social concerns	0.090	0.032	0.878
Sleep obstacles: Something else (please specify)	0.108	0.014	0.878
Sleep obstacles: Nothing - I am not being prevented from more sleep	0.108	0.011	0.881

	Strongly Disagree	Disagree	Slightly Disagree	Neither	Slightly Agree	Agree	Strongly Agree	NA
I am satisfied with the amount of sleep I usually receive	0.015	0.019	0.018	0.010	0.025	0.027	0.004	0.883
The quality of my sleep is good	0.011	0.017	0.018	0.011	0.024	0.029	0.007	0.883
The amount of sleep I receive makes me feel irritable	0.004	0.019	0.017	0.026	0.027	0.018	0.007	0.883
The amount I sleep negatively affects my mental health	0.005	0.020	0.013	0.022	0.026	0.021	0.010	0.883
I prioritize my academic performance above sleep	0.006	0.009	0.012	0.017	0.027	0.027	0.020	0.883
I have a problem with daytime sleepiness	0.003	0.012	0.009	0.013	0.032	0.027	0.021	0.883
I would benefit from naps during the day	0.003	0.008	0.006	0.018	0.025	0.034	0.023	0.883
I eat health food that is good for my body	0.006	0.012	0.018	0.014	0.033	0.025	0.009	0.883
I have easy access to places that sell healthy food	0.009	0.014	0.017	0.013	0.024	0.029	0.010	0.883
I have easy access to affordable healthy food	0.019	0.019	0.019	0.014	0.020	0.020	0.006	0.883

	Rarely or none of the time	Some or a little of the time	Occasionally or a moderate amount of the time	All of the time	NA
Past week: I felt depressed	0.045	0.031	0.025	0.013	0.885
Past week: I felt hopeful about the future	0.017	0.036	0.040	0.022	0.885
Past week: I felt happy with my life	0.014	0.034	0.041	0.026	0.885
Past week: I felt alone and isolated	0.036	0.036	0.028	0.016	0.885
Past week: I felt like it was hard to “get up ” from lack of energy & motivation	0.028	0.032	0.028	0.026	0.885
Past week: I felt less interested in things I usually enjoy	0.042	0.033	0.025	0.015	0.885
Past week: I felt upset about the way my life was heading	0.048	0.030	0.022	0.015	0.885
Past week: I felt like utilizing campus resources for mental distress	0.074	0.024	0.013	0.004	0.885
Past week: I felt like a bad person	0.062	0.029	0.014	0.010	0.885
Past week: I found it hard to focus on the positive aspects of life	0.040	0.035	0.024	0.016	0.885

	1 = Not at all										10 = Extremely comfortable/effective and helpful	NA
UG Student Well-Being Survey	0.005	0.007	0.007	0.007	0.007	0.007	0.007	0.009	0.008	0.004	0.006	0.933
Sexual assault and harassment	0.006	0.002	0.004	0.002	0.008	0.007	0.006	0.008	0.008	0.003	0.003	0.951
Mental health	0.006	0.002	0.007	0.003	0.010	0.006	0.007	0.004	0.004	0.002	0.002	0.950
Maintaining a balanced lifestyle	0.007	0.003	0.006	0.005	0.010	0.006	0.006	0.006	0.003	0.001	0.002	0.951
Alcohol use	0.006	0.003	0.003	0.003	0.007	0.005	0.006	0.008	0.008	0.005	0.004	0.951

	Yes, for information only	Yes, for support only	Yes, for both information and support	No, have not accessed	NA
Tang medical services	0.007	0.001	0.003	0.054	0.935
Tang social services	0.003	0.002	0.003	0.058	0.935
Confidential CARE advocates	0.002	0.000	0.001	0.062	0.935
Title IX office/OPHD	0.002	0.000	0.001	0.062	0.935
EOP counselors	0.002	0.000	0.002	0.061	0.935
Resident Assistant/Resident Director	0.004	0.001	0.002	0.059	0.935
Sexual Assault Commission/Cal Consent Campaign	0.005	0.000	0.000	0.060	0.935
UCPD	0.002	0.000	0.001	0.061	0.935
Other	0.001	0.000	0.001	0.057	0.941
