Emerging Adulthood Measured at Multiple Institutions

Open Science Framework - osf.io

Example of Subjective Well-being section

	Strongly disagree	Disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Agree	Strongly agree
In most ways my life is close to my ideal.	○	○	○	○	○	○	○
I am satisfied with my life.	○	○	○	○	○	○	○
So far I have gotten the important things I want in life.	○	○	○	○	○	○	○

Mental/Emotional Categories

- Markers of Adulthood
- Idea
- Subjective Well-being
- Mindful
- Belonging
- Efficacy

- Support
- Transgressions
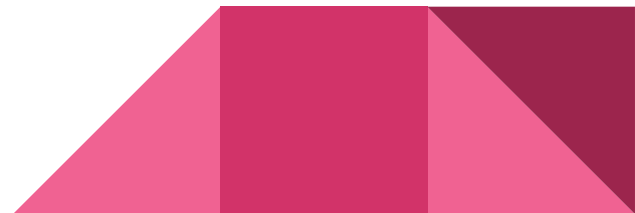- Stress
- Marriage
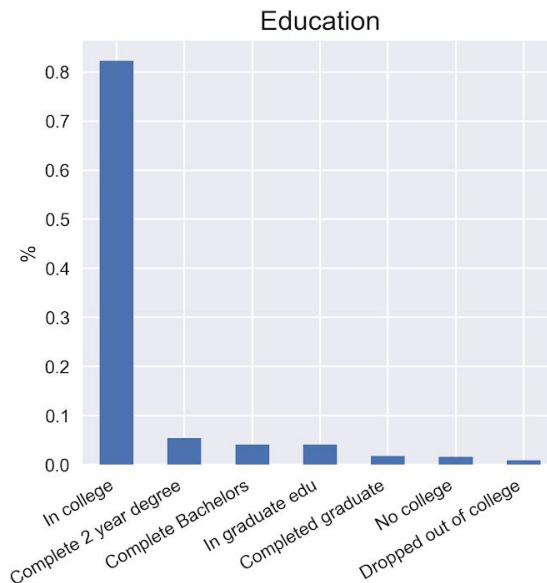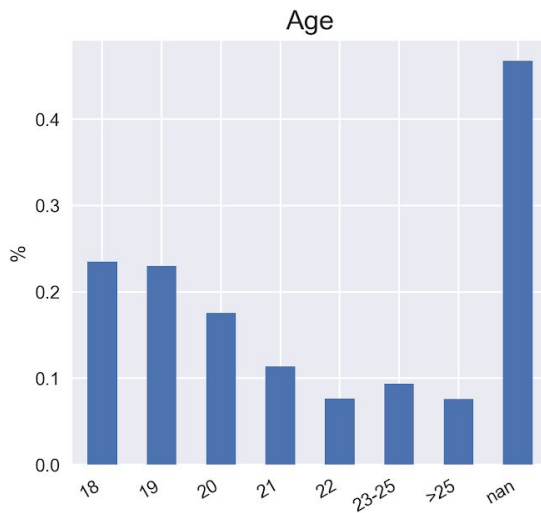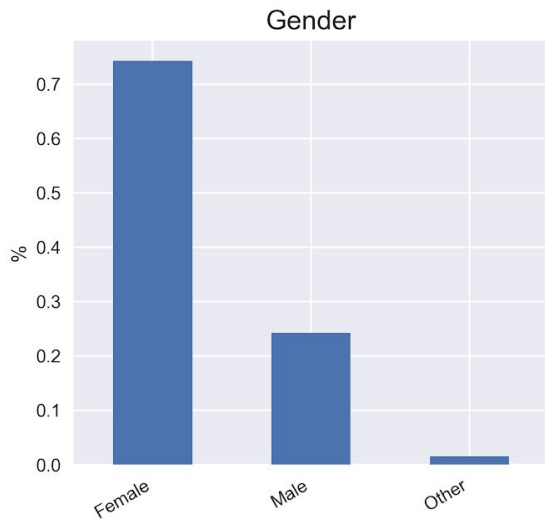- Narcissism

Cleaning

Dropped observations:

- < 10 min
- Missed attention
- Complete < 80%
- High bias responders
- Duplicates

Total in clean dataset : 2826

Demographics

Distributions of Full Dataset

Direction

Overview

- Focus on mental/emotional questions
- Hold out:
  - Age, Sex, Education, Income
  - Parents/Siblings
  - Physical Disabilities/Ailments
  - Location
  - Military

Hypothesis

- Holding out the Subjective Well-being questions, the data will cluster meaningfully around that topic.

NMF and Topic Themes

Self-Worth / Confidence

belong_1   -> If other people don't seem to accept me, I don't let it bother me.

moa2#2_1   -> Make independent decisions

efficacy_4   -> I am confident that I could deal efficiently with unexpected events.

efficacy_5   -> Thanks to my resourcefulness, I know how to handle unforeseen situations.

efficacy_6   -> I can solve most problems if I invest the necessary effort.

efficacy_10   -> I can usually handle whatever comes my way.

belong_7   -> Being apart from my friends for long periods of time does not bother me.

moa2#1_1   -> Make independent decisions

efficacy_7   -> I can remain calm when facing difficulties because I can rely on my coping abilities.

efficacy_1   -> I can always manage to solve difficult problems if I try hard enough.

Mindfulness

mindful_12   -> I drive places on automatic pilot and then wonder why I went there.

mindful_7   -> It seems I am running on automatic,☐ without much awareness of what I'm doing.

mindful_15   -> I snack without being aware that I'm eating.

mindful_8   -> I rush through activities without being really attentive to them.

mindful_14   -> I find myself doing things without paying attention.

mindful_10   -> I do jobs or tasks automatically, without being aware of what I'm doing.

mindful_9   -> I get so focused on the goal I want to achieve that I lose touch with what I'm doing right now.

mindful_2   -> I break or spill things because of carelessness or not paying attention.

mindful_5   -> I tend not to notice feelings of physical tension until they really grab my attention.

mindful_3   -> I find it difficult to stay focused on what's happening in the present.

Achievement

moa2#2_5   -> Be employed full-time

moa2#2_2   -> Become capable of supporting a family financially

moa1#2_1   -> Financially independent

moa1#2_2   -> No longer living in parents' household

moa2#2_3   -> Become capable of caring for children

moa1#2_10   -> Committed to long-term love relationship

moa1#2_3   -> Finished with education

moa1#2_6   -> Settled into a long-term career

moa1#2_4   -> Married

moa2#2_10   -> Capable of supporting parents financially

Family

moa1#1_4   -> Married

moa1#1_5   -> Have at least one child

moa1#1_10   -> Committed to long-term love relationship

moa2#1_3   -> Become capable of caring for children

moa1#1_6   -> Settled into a long-term career

moa2#1_2   -> Become capable of supporting a family financially

moa2#1_10   -> Capable of supporting parents financially

moa1#1_3   -> Finished with education

moa2#1_5   -> Be employed full-time

marriage2   -> In regard to my getting married someday, it is...

Support

support_5   -> I have a special person who is a real source of comfort to me.

support_2   -> There is a special person with whom I can share my joys and sorrows.

support_1   -> There is a special person who is around when I am in need.

support_10   -> There is a special person in my life who cares about my feelings.

support_7   -> I can count on my friends when things go wrong.

support_9   -> I have friends with whom I can share my joys and sorrows.

support_12   -> I can talk about my problems with my friends.

support_4   -> I get the emotional help and support I need from my family.

support_6   -> My friends really try to help me.

support_8   -> I can talk about my problems with my family.

Self-Control / Responsibility

moa1#2_7   -> Avoid becoming drunk

moa1#2_8   -> Avoid illegal drugs

moa1#1_8   -> Avoid illegal drugs

moa1#1_7   -> Avoid becoming drunk

moa1#2_9   -> Use contraception if sexually active and not trying to conceive a child

moa2#2_6   -> Avoid drunk driving

moa1#1_9   -> Use contraception if sexually active and not trying to conceive a child

belong_7   -> Being apart from my friends for long periods of time does not bother me.

moa2#2_4   -> Accept responsibility for your actions

moa2#1_8   -> Learn always to have good control of your emotions

Neuroticism

belong_10   -> My feelings are easily hurt when I feel that others do not accept me.

belong_8   -> I have a strong need to belong.

stress_2   -> ...felt that you were unable to control the important things in your life?

stress_10   -> ... felt difficulties were piling up so high that you could not overcome them?

belong_5   -> I want other people to accept me.

belong_9   -> It bothers me a great deal when I am not included in other people's plans.

stress_3   -> ... felt nervous and "stressed"?

belong_2   -> I try hard not to do things that will make other people avoid or reject me.

stress_6   -> ...found that you could not cope with all the things that you had to do?

idea_3   -> Is this period of your life a time of feeling stressed out?
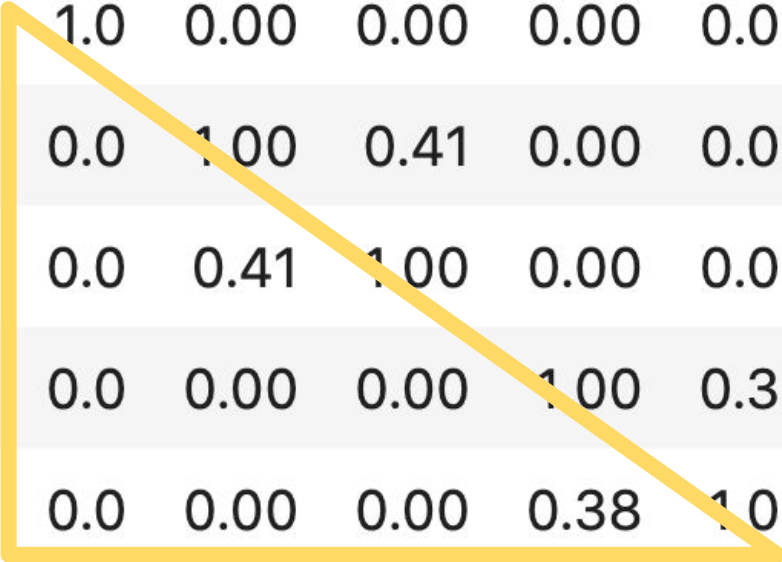
Hierarchical Clustering

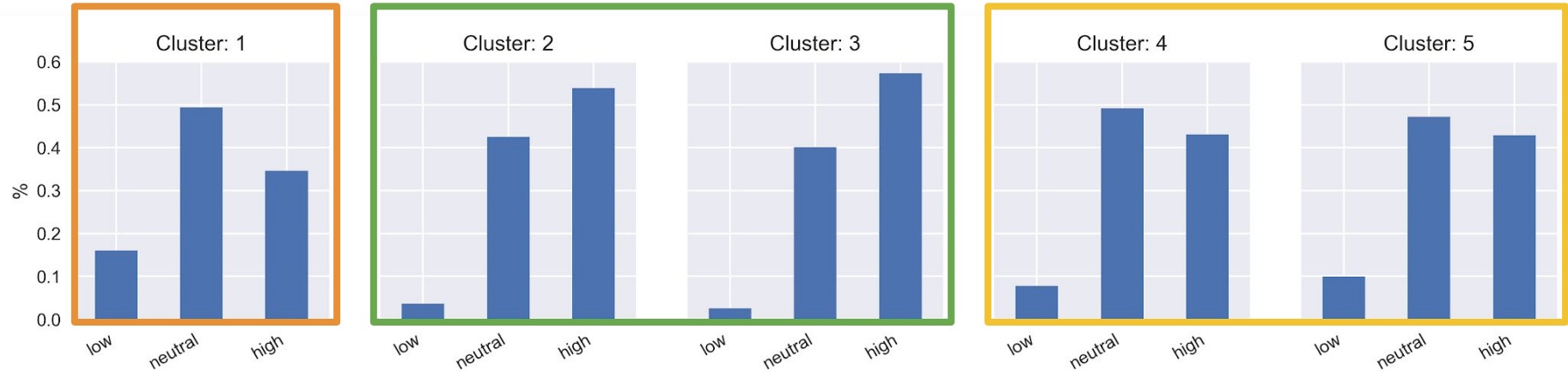Hierarchical Clustering on W matrix with 7 topics
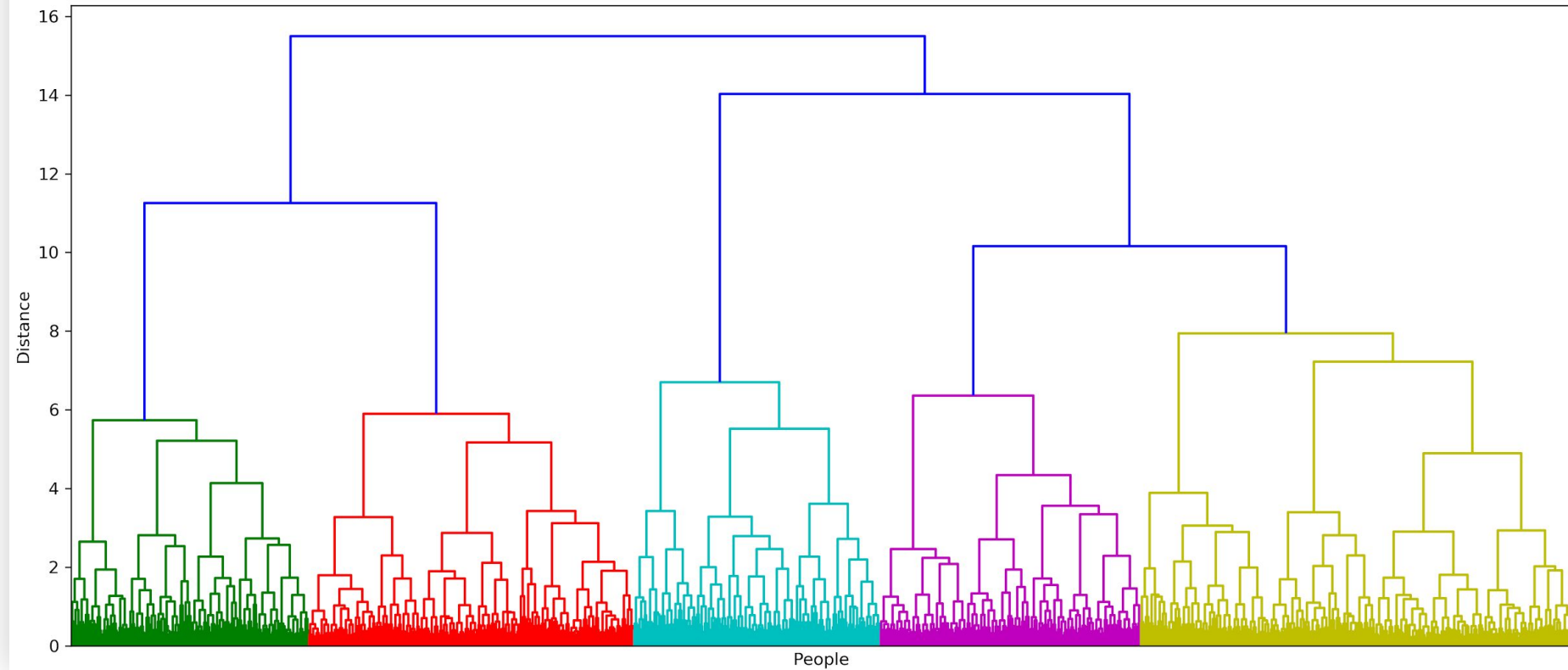
Chi Square p-values for SWB counts

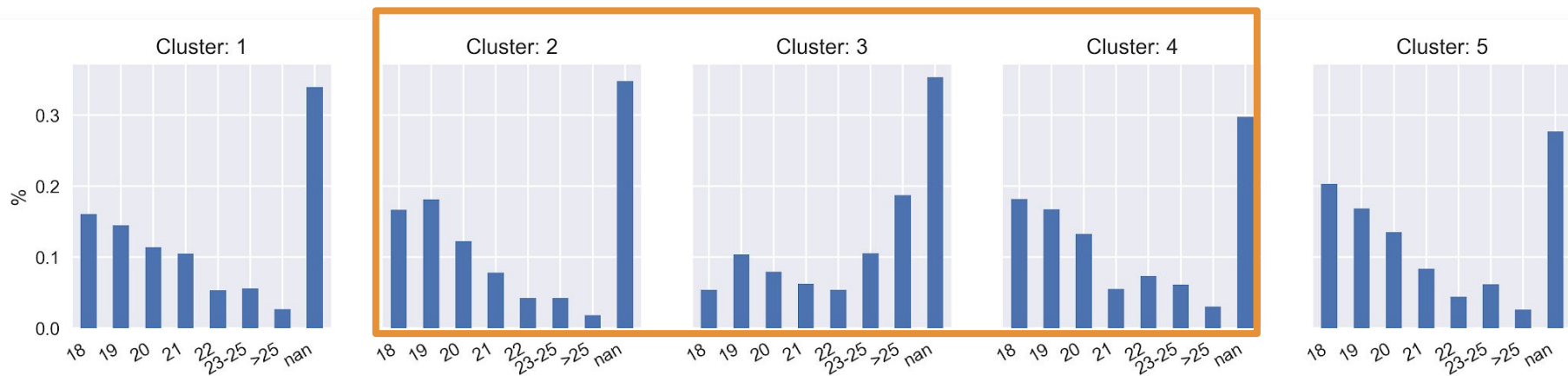| cluster	high	low	neutral	vs 1	vs 2	vs 3	vs 4	vs 5
1	155.0	72.0	221.0	1.0	0.00	0.00	0.00	0.00
2	330.0	22.0	260.0	0.0	1.00	0.41	0.00	0.00
3	266.0	12.0	186.0	0.0	0.41	1.00	0.00	0.00
4	211.0	38.0	241.0	0.0	0.00	0.00	1.00	0.38
5	348.0	81.0	383.0	0.0	0.00	0.00	0.38	1.00

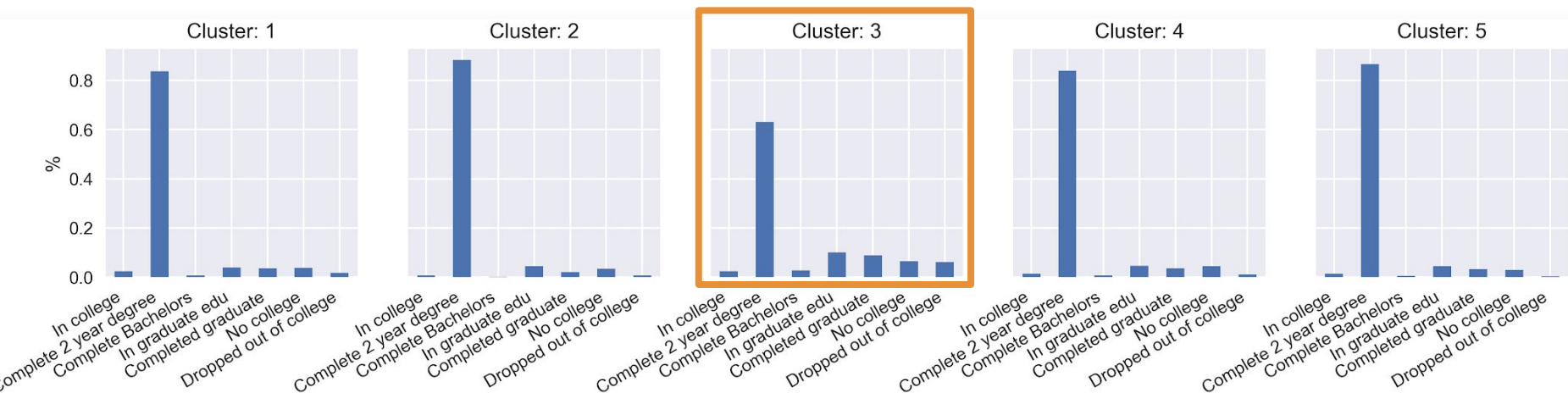# Subjective Well-being Distributions

Gender Distributions

Age Distributions

Education Distributions

Next Steps

- Dig into the differences of the clusters
- Include open-ended text sections
  - NLP - Sentiment Analysis
- Use durations as features, or weights to sections
- Predict targets based on subsets of features or demographics
- Test relationships between family/upbringing and belonging/support

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