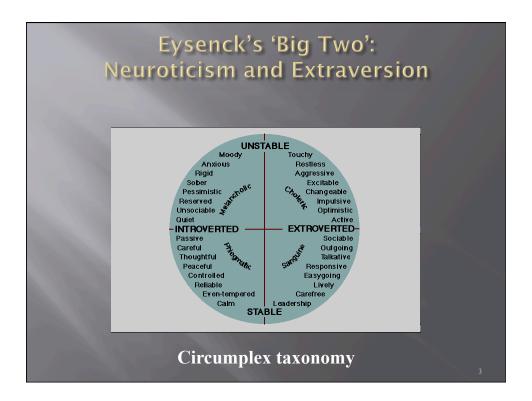


Trait Taxonomies: Organizing Personality

- Theoretical approach: Hans Eysenck
 - Personality taxonomy should be rooted in biology
- 3 major traits of interest: "PEN"
 - Psychoticism (related to testosterone level)
 - Extraversion (related to physiological arousal)
 - Neuroticism (related to fluctuations in autonomic nervous system)

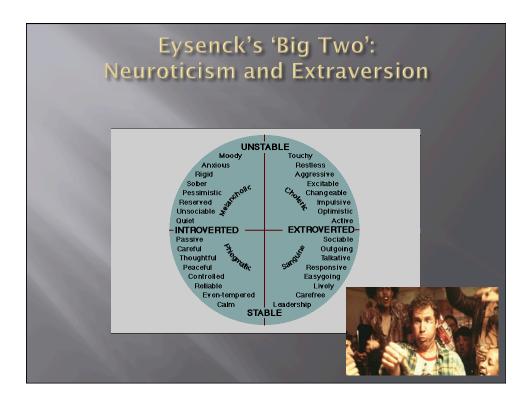


Circumplex Taxonomies

- Broad level factors are statistically independent
 - Your level on one factor does not have any relation to your level on another factor
 - Possible to be high N + high E, high N + low E, low N + low E, or low N + high E



Frank the Tank: Low N, High E Low N: Not concerned about anything High E: High energy, party animal



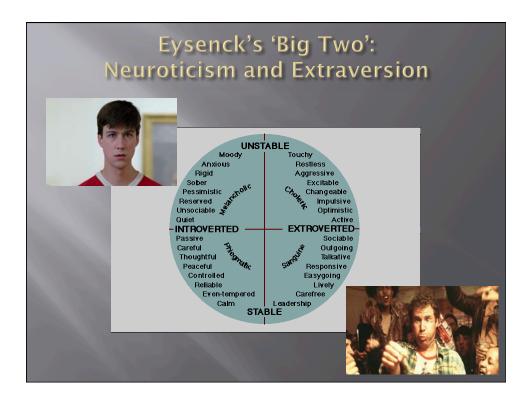


- Broad level factors are statistically independent
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Cameron Frye: High N, Low E High N: Anxious about germs, social life Low E: Does not have many friends

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Problems with PEN

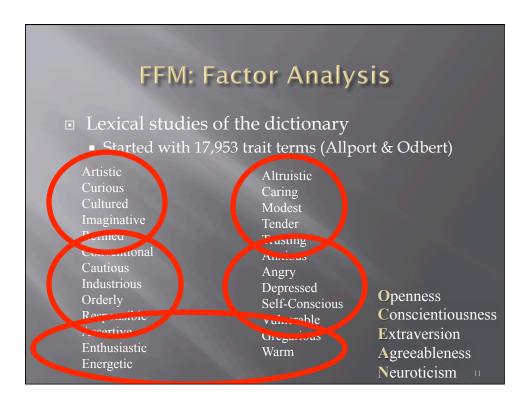
- Not all-inclusive
 - Other empirical studies found more than 3 factors
- Other traits show heritability
 - e.g., conscientiousness
- Other taxonomies developed to address issues
 - Wiggins' theory of interpersonal traits
 - Agency + Communion
 - Cattell's 16
 - The Five Factor Model (FFM)

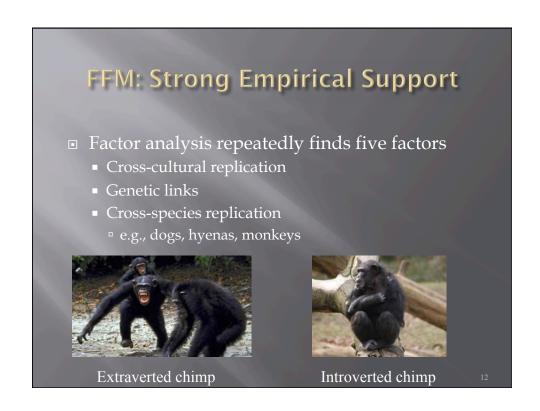


The Five-Factor Model (FFM) or "Big 5"

- Openness
 - Curious and unconventional
- Conscientiousness
 - Ordered and persistent
- Extraversion
 - Exuberant and sociable
- <u>A</u>greeableness
 - Caring and considerate
- Neuroticism
 - Emotional and anxious

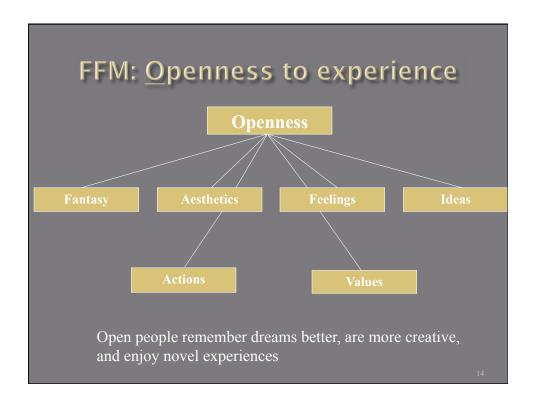
Costa & McCrae, 1992; Goldberg, 1981

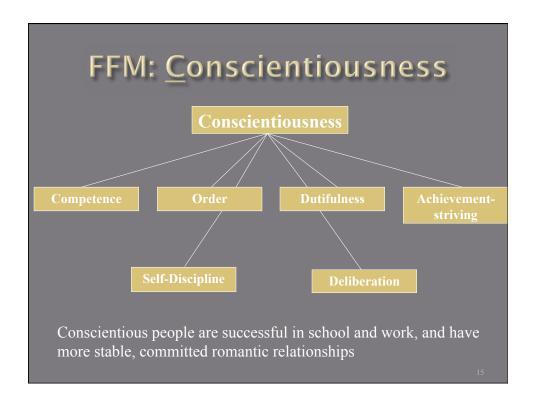


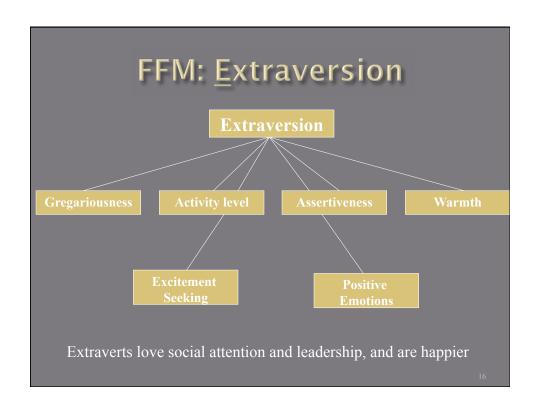


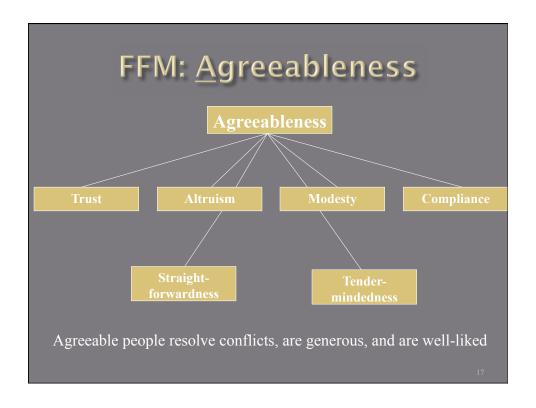
FFM: Traits have Sub-Facets

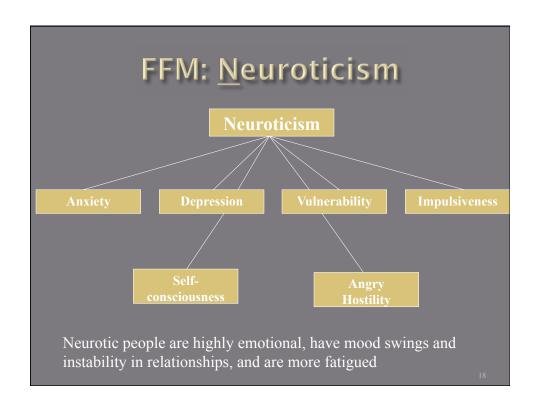
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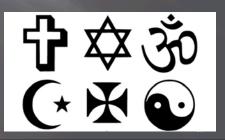




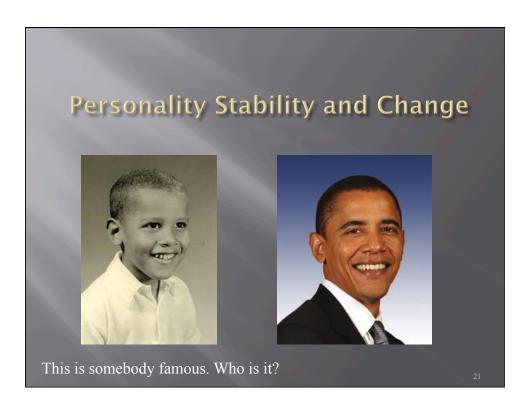


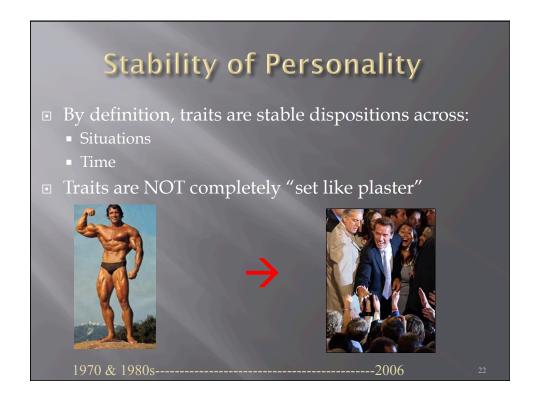
What's Missing from Big 5?

- Physical attractiveness and promiscuity
- Positive evaluation and negative evaluation
 - "Big 7"
- Honesty/humility
 - HEXACO model
- Religiosity/spirituality



FFM and PEN Extraversion PEN Extraversion Neuroticism PEN Neuroticism PEN PEN Reuroticism (low) Conscientiousness PEN Psychoticism (low) Conscientiousness PEN Psychoticism (low) PEN Psychoticism (low) PEN Psychoticism (low) PEN Psychoticism (low)





Two Types of Change

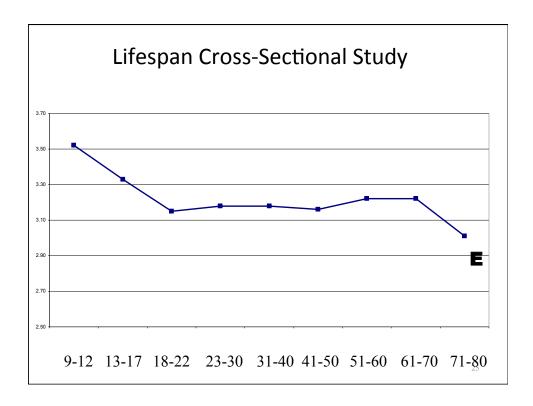
- Mean-level change: People's average level of a trait at different ages
- Are people on average more extraverted when they are younger or older?

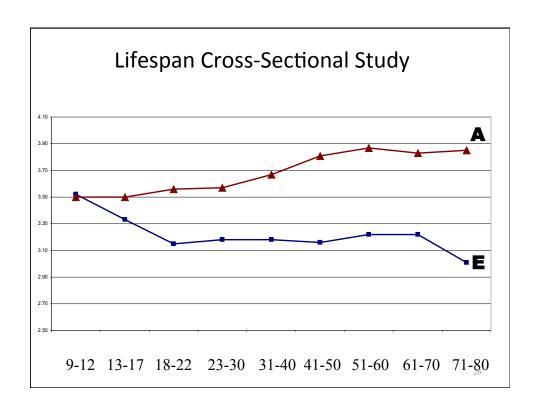
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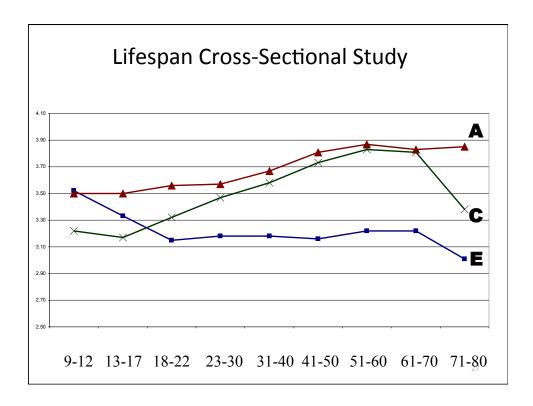
Mean Level Change Across Lifespan

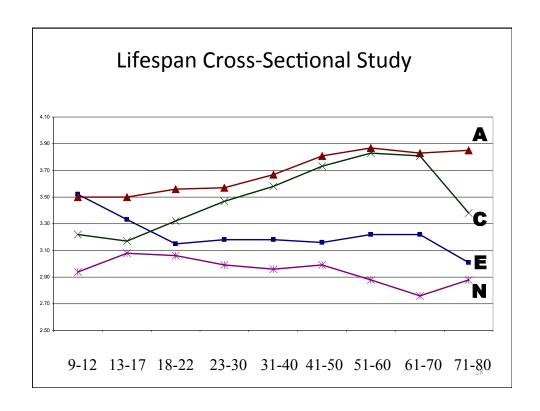
- Cross-sectional study
 - Sample of approximately 130,000 adults reported Big 5 personality traits
 - Representative of population in US and Canada
 - Childhood to old age

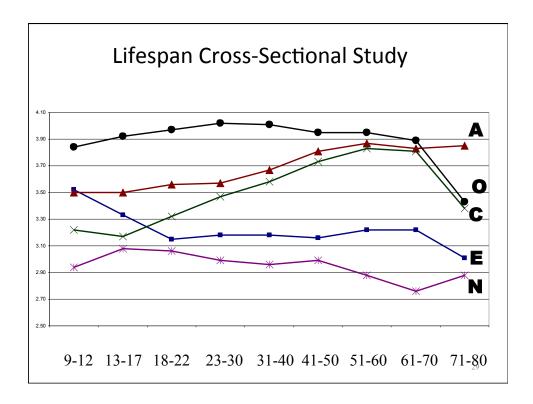
Srivastava, John, Gosling, & Potter, 2003











Personality Change in College

 Study compared personality scores at beginning and end of university among 270 students

Two Assessments

- Year 1 (beginning of first year)
- Year 4 (end of senior year)
- Which traits do you think increased? Decreased?

Robins, Fraley, Roberts, & Trzesniewski, 2001

Longitudinal University Study

Big Five Dimension	Change during university
Extraversion	0
Agreeableness	+
Conscientiousness	+
Openness	+
Neuroticism	

<u>Maturity principle</u>: People tend to increase on traits that promote optimal behavior in adult social roles, and decrease on less socially desirable traits

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Two Types of Change

- Mean-level change
- Rank-order stability
 - Consistency of individual differences on traits
 - Is the most extraverted child still the most extraverted adult?
 - Is the least agreeable college student still the least agreeable 40 year-old?

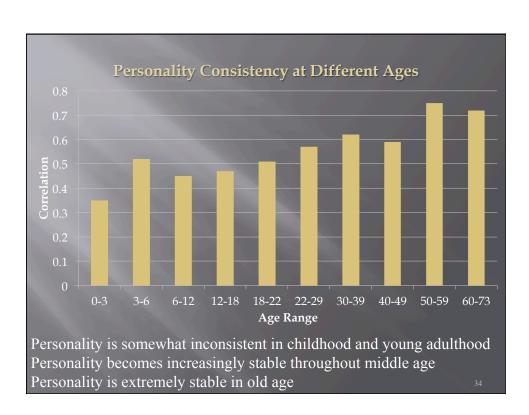
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Stability at Different Ages

Meta-analysis

- Compiled results from all studies ever done on personality change and development
- Compared "personality consistency" across ages
 - At which ages was the correlation between personality at T₁ and personality at T₂ highest?
 - Correlation: Same group of people measured at two ages
 - e.g., 3 & 4, 23 & 29, 55 & 72
 - High correlation implies high personality consistency

Roberts & DelVecchio, 2000



Two Types of Change

- Mean-level
- Rank-order
- Why does personality change or stay stable?

Why do We Change or Stay Stable?

- Person-environment transactions
 - People select situations based on their personalities
 - e.g., a conscientious individual enrolls in an honor's
 - Situations in turn influence people's personalities
 - e.g., an honors student becomes more conscientious



One Specific Life Event: Going Abroad for School

- How many of you have studied abroad?
- Why? Was it because of your personality?
- How did it change who you were?



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Studying Abroad & Personality Change

- 1,134 students tracked across school year
 - Half study abroad, half at home
- Who studies abroad?
 - Extraverts



Zimmerman & Neyer, 2013

Studying Abroad & Personality Change

- 1,134 students tracked across school year
 - Half study abroad, half at home
- How does studying abroad change personality?
 - Increases in openness and agreeableness





Zimmerman & Neyer, 2013

Bigger Picture: Personality → Life Events

	Trait	High levels lead to	Low levels lead to
	0		Becoming unemployed
	С		Getting divorced
ı	E	Moving in with partner	
	A		Getting divorced
1	N	Living at home Getting divorced	Getting married

Sample of ~ 15,000 German adults, followed over four years

Specht, Egloff, & Schmuckle, 2011; 2012

Bigger Picture Life Events \rightarrow Personality Change

Trait	Events lead to increases	Events lead to decreases
0	Getting divorced	Getting married
С	Starting first job	Retiring
Е		Getting married
A	Having a baby	
N	Moving out of parent's home	

Sample of ~ 15,000 German adults, followed over four years

Specht, Egloff, & Schmuckle, 2011; 2012

Stability and Change: Summary

- Personality changes across the lifespan
 - Mean-level shifts
- Personality is consistent across the lifespan
 - Different levels of consistency emerge in childhood, adulthood, and old age
- Change and consistency is dictated in part by person-environment transactions
 - Who we are leads us to take on certain roles
 - Our roles in turn shape who we are

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Next Class

- Trait approach (wrap-up)
- Genetics (begin)

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THANKS

Comments? Questions? Feedback? acweidman@psych.ubc.ca