

INSTITUTE OF PSYCHIATRY, PSYCHOLOGY & NEUROSCIENCE



Psychological Foundations of Mental Health

Week 4:

Beyond basic cognition and emotion





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Topic 2: **Evaluation: interpretation and appraisal** Part 3 of 3



Interpretation and appraisal in mental health Victoria Pile

Week 4 Beyond basic cognition and emotion

Topic 2: Evaluation: interpretation and appraisal

Three examples of the role interpretations and appraisals play in mental health

Studying interpretation biases in the lab

Social anxiety: negative interpretation biases (Miers et al., 2008).

Understanding what contributes to vulnerability

Depression: life events and appraisals (e.g. Krackow & Rudolph, 2008).

Cognitive models to develop person-specific understanding to guide treatment

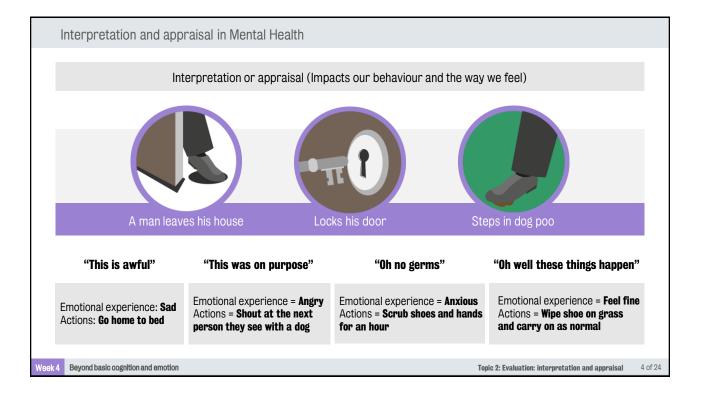
Psychosis: faulty appraisal of anomalous experiences (e.g. Morrison et al., 2001).

Miers, Blöte, Bögels & Westenberg (2008)

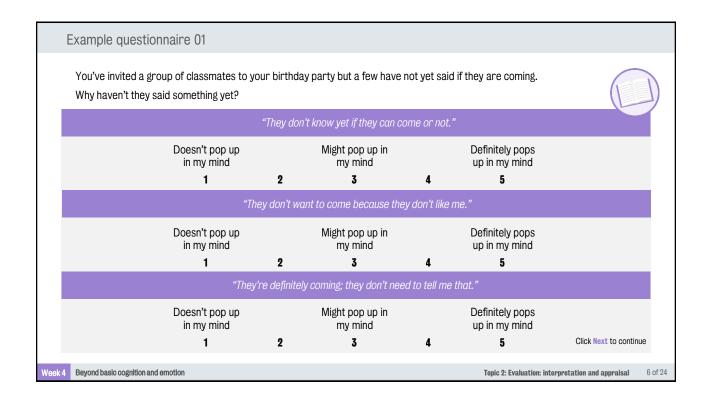
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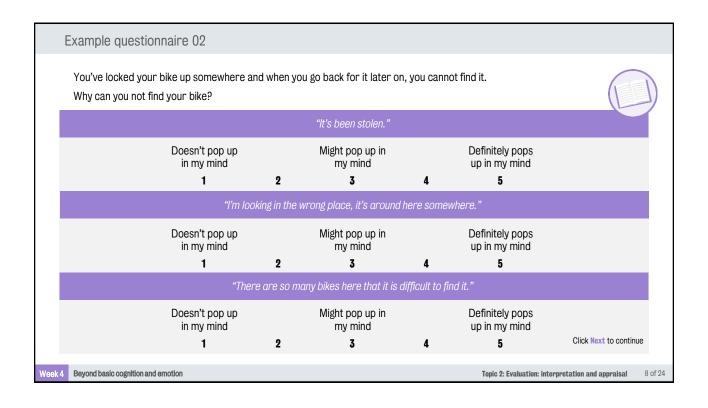
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Studying interpretation biases in the lab (3)

Using questionnaires to assess interpretation biases

Miers et al. showed that negative interpretations of social situations were more common in adolescents with higher anxiety than controls

High anxious adolescents only showed more negative interpretations for social situations, but not for non social situations

This demonstrates that this interpretation bias is specific to social contexts.

Miers, Blöte, Bögels & Westenberg (2008)

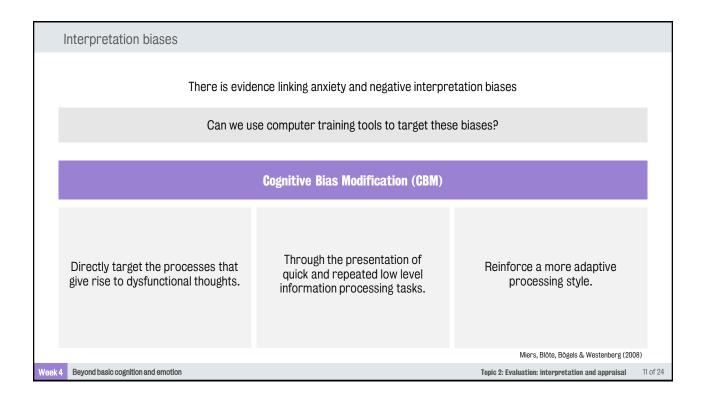
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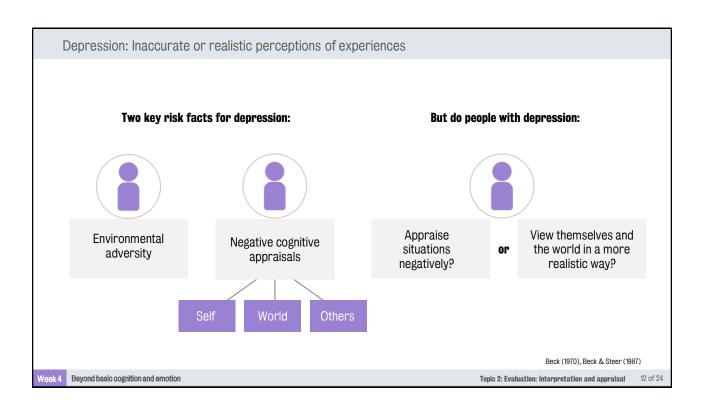
Beyond basic cognition and emotion

Topic 2: Evaluation: interpretation and appraisal

9 of 24

Measuring interpretation biases experimentally Example Interpretation biases can be measured experimentally. The basketball game The recognition test You join your school's basketball team and are asked to play in a game. You try very hard but your team loses. Read The recognition test Afterwards your new teammates want to discuss how you... Pl-ay-d Rate How similar four statements are to the stories Participants have to complete the fragmented word, after which they are asked to answer a comprehension question, such as: Each statement has... Did you play in the game? Y/N They are then shown the targets and foils: Positive or Negative valence Positive target: Your teammates want to discuss how brilliantly you played. Two of the statements are... Negative target: Your teammates want to discuss how terribly you played. Interpretations of the story (Targets) Positive foil: Your teammates want to discuss whether you want to play in the next game as well. Two of the statements are... Negative foil: Your teammates want to discuss whether you should sit out in the next game. Related to the story but are not interpretations (Foils) Click Next to continue Beyond basic cognition and emotion Topic 2: Evaluation: interpretation and appraisal 10 of 24





Krackow & Rudolph (2008) (1)

TABLE 1 Mean Scores and Planned Comparisons on Episodic Stress by Diagnostic Group

	Nonsymtomatic ^a I	Subsyndromal Depression ^b 2	Clinical Depression ^c 3	Planned Group Comparisons	Effect Size (d)	p
Independent Episodic Stress						
Interpersonal	3.85	7.19	9.67	1 vs. 2	.77	.005
	(3.13)	(5.32)	(6.37)	1 vs. 3	1.16	.001
				2 vs. 3	.42	ns
Noninterpersonal	3.57	3.84	3.63	1 vs. 2	.09	ns
	(2.59)	(3.15)	(3.17)	1 vs. 3	.02	ns
				2 vs. 3	07	ns
Dependent Episodic Stress						
Interpersonal	1.33	5.17	4.15	1 vs. 2	.87	.002
	(2.13)	(5.84)	(4.90)	1 vs. 3	.75	.013
				2 vs. 3	19	ns
Noninterpersonal	1.83	3.69	1.92	1 vs. 2	.65	.010
	(2.50)	(3.17)	(2.90)	1 vs. 3	.03	ns
				2 vs. 3	58	.026

Note: Standard deviations are shown in parentheses. The p values are based on two-tailed significance tests.

Krackow & Rudolph (2008)

Beyond basic cognition and emotion

Topic 2: Evaluation: interpretation and appraisal

Krackow & Rudolph (2008) (2)

Mean Scores and Planned Comparisons on Cognitive Appraisals by Diagnostic Group

	Nonsymptomatic ^a I	Subsyndromal Depression ^b 2	Clinical Depression ^c 3	Planned Group Comparisons	Effect Size (d)	p
Stress Estimation						
Interpersonal	41	10	.23	1 vs. 2	.43	ns
	(.65)	(.80)	(.66)	1 vs. 3	.98	.002
				2 vs. 3	.45	ns
Noninterpersonal	25	.30	.37	1 vs. 2	.69	.014
	(.84)	(.74)	(.78)	1 vs. 3	.76	.010
				2 vs. 3	.09	ns
Dependence Estimation						
Interpersonal	23	.00	.33	1 vs. 2	.30	ns
	(.81)	(.74)	(.65)	1 vs. 3	.76	.011
				2 vs. 3	.47	ns
Noninterpersonal	09	.10	.06	1 vs. 2	.21	ns
	(.71)	(1.08)	(.76)	1 vs. 3	.20	ns
				2 vs. 3	04	ns

Note: Standard deviations are shown in parentheses. The p values are based on two-tailed significance tests. Total sample sizes vary slightly across analyses. ${}^{a}n = 29$. ${}^{b}n = 26$. ${}^{c}n = 22$.

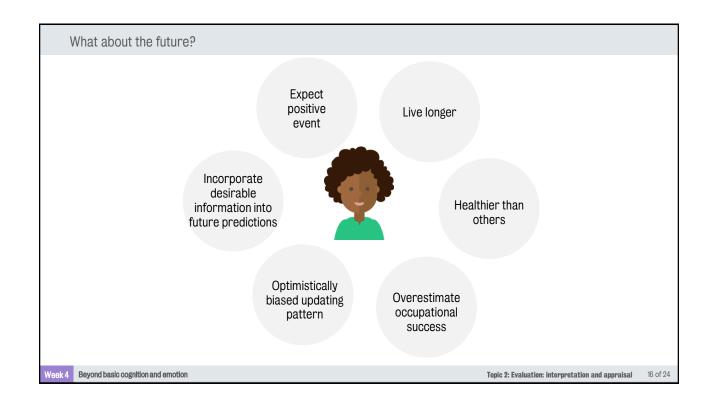
Krackow & Rudolph (2008)

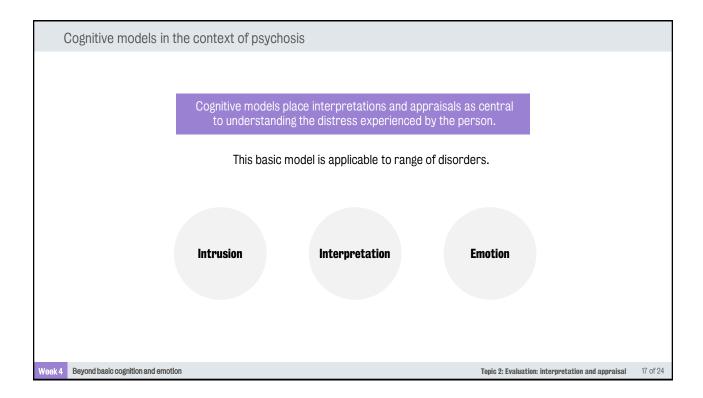
Week 4 Beyond basic cognition and emotion

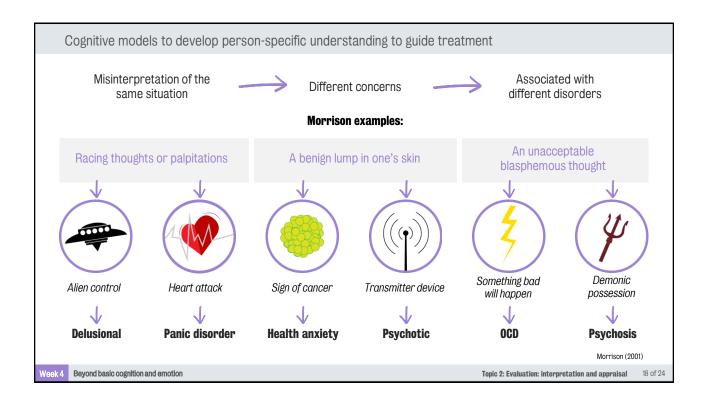
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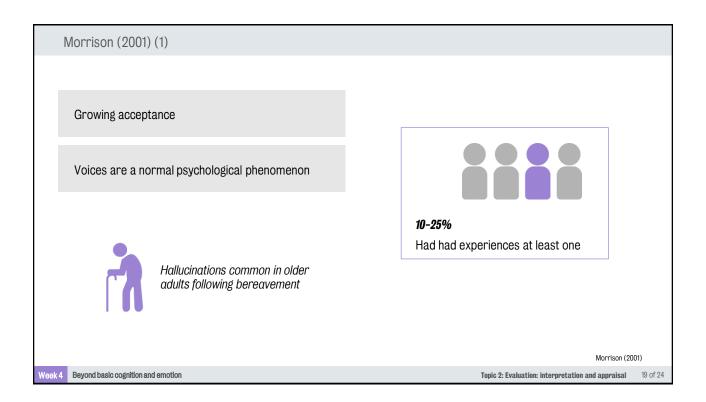
 $^{^{}a}n = 36. ^{b}n = 29. ^{c}n = 24.$

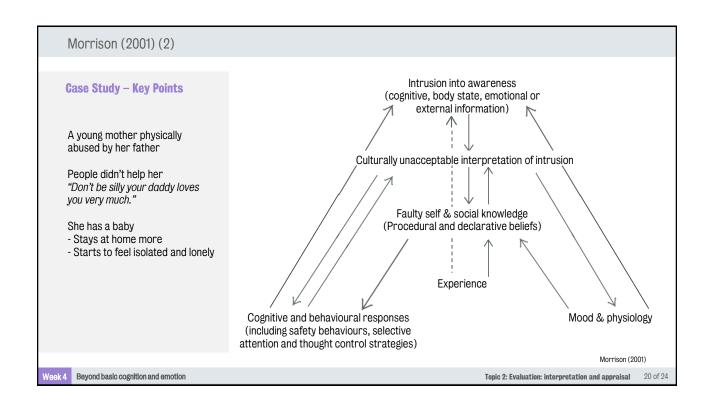
Krackow & Rudolph (2008) (3) Overestimated the stressfulness of events **Those with** Overestimated their contribution to events depression: · Experienced more environmental adversity, however they appraise events differently Realistic interpersonal difficulties It is important And to consider: Biased appraisals of experiences Click Next to continue Beyond basic cognition and emotion Topic 2: Evaluation: interpretation and appraisal 15 of 24

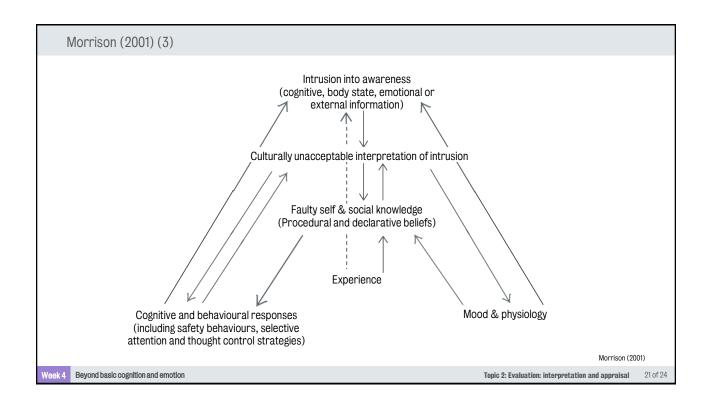


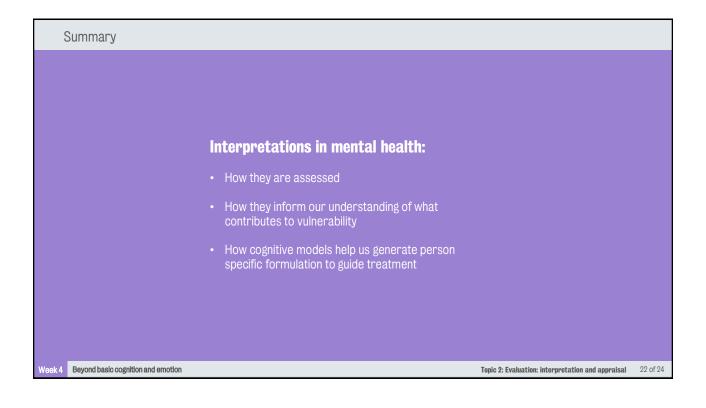












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Week 4

Beyond basic cognition and emotion

Topic 2: Evaluation: interpretation and appraisal

23 of 24

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Week

Beyond basic cognition and emotion

Topic 2: Evaluation: interpretation and appraisal