Detailed Psychological Constructs v5.6, v5.7, v5.8 (ABC)

Construct	Subconstruct (if applicable)	# of items	#	items	pre	ch1	ch2	ch3	ch4	mid1	ch5	ch6	ch7	ch8	ch9	mid2	ch10	ch11	ch12	ch13	post
Expectancy	(pulse check)	1		I am confident in what I have learned in the previous chapter			exp_pulse2	exp_pulse3	exp_pulse4		exp_pulse5	exp_pulse6	exp_pulse7	exp_pulse8	exp_pulse9		exp_pulse10	exp_pulse11	exp_pulse12	exp_pulse13	
Intrinsic Value		1		I think the previous chapter was interesting			iv_pulse2	iv_pulse3	iv_pulse4		iv_pulse5	iv_pulse6	iv_pulse7	iv_pulse8	iv_pulse9		iv_pulse10	iv_pulse11	iv_pulse12	iv_pulse13	
Utility Value		1		I think what I have learned in the previous chapter is useful			uv_pulse2	uv_pulse3	uv_pulse4		uv_pulse5	uv_pulse6	uv_pulse7	uv_pulse8	uv_pulse9		uv_pulse10	uv_pulse11	uv_pulse12	uv_pulse13	
Cost		1		I was unable to put in the time needed to do well in the previous chapter			cost_pulse2	cost_pulse3	cost_pulse4		cost_pulse5	cost_pulse6	cost_pulse7	cost_pulse8	cost_pulse9		cost_pulse10	cost_pulse11	cost_pulse12	cost_pulse13	
Expectancy		2	1	I am confident i can learn the material in this course.	exp1_1																exp1_4
			2	I expect to do well in this class.	exp2_1					exp2_2						exp2_3					exp2_4
Values	Utility Value (for Future)	4	1	What I'm going to learn in this class will be useful in the future (pre)/What I am learning in this class will be useful in the future (mid & post)	uv_f1_1					uv_f1_2						uv_f1_3					uv_f1_4
	Utility Value (for Daily Life)		2	What I'm going to learn in this class will be relevant to my everyday life (pre)/ What we learn in this class is relevant to my everyday life (mid/post)	uv_d1_1					uv_d1_2						uv_d1_3					uv_d1_4
	Intrinsic value		3	I think this class will be interesting (pre) I think this class is interesting (mid/post)	iv1_1					iv1_2						iv1_3					iv1_4
	Intrinsic value		4	I will like this class (pre) I like this class (mid/post)	iv2_1					iv2_2						iv2_3					iv2_4
Cost	Opportunity Cost	2	1	I think I will have to give up too much to do well in this class (pre); I have to give up too much to do well in this course (mid/post)	cost2_1					cost2_2						cost2_3					cost2_4
	Psychological Cost		2	I think this course is going to be too stressful for me (pre); This course is too stressful for me (mid/post).	cost3_1					cost3_2						cost3_3					cost3_4
Programming Sentiment		1	1	In this course, you will use r (a programming language) to analyze data. how do you feel about this? (t1) / In this class, you are using R to analyze data. How do you feel about this? (t2/t3); In this class, you used R to analyze data. How do you feel about this now? (t4)	sent_pro_1					sent_pro_2						sent_pro_3					sent_pro_4
Confidence	Confidence in R	1	1	How confident are you in your R skills?	conf_1					conf_2						conf_3					conf_4
Anxiety	Math Anxiety	1	1	In general, i tend to feel very anxious about mathematics.	anx_ma_1																anx_ma_4
Course challenges		1	1	What, if anything, made it hard to succeed in this class?																	obst_4
Behavioral intention	Future interest	3	1	I look forward to learning more about math, statistics, or data science.	f1_1					f1_2						f1_3					f1_4
			2	I want to take more math, statistics, or data science classes in the future.	f2_1					f2_2						f2_3					f2_4
			3	I would be interested in having a job someday that involves things like math, science, statistics, or data science.	f3_1					f3_2						f3_3					f3_4
STEM Identity	STEM identity	1	1	I see myself as a statisics person.	identity_1																identity_4
Belonging	Class belonging	2	1	I matter as a student in this class	blc1_1																blc1_4
			2	I belong in this class	blc2_1																blc2_4
Course advice		1	1	What advice would you give to future students who want to do well in this course?						adv_2											
Student mindset beliefs	Student Statistics fixed mindset belief	2	1	You can learn new things, but you can't really change your statistics ability	ms1_1					ms1_2						ms1_3					ms1_4
			2	My statistics ability is something about me that I can't change very much	ms2_1																ms2_4
Perceived Instructor mindset beliefs	Perceived instructor statistics fixed mindset belief	2	1	My instructor seems to believe that students have a certain amount of statistics ability, and they really can't do much to change it (reverse code)						im1_2											im1_4
			2	My instructor seems to believe that students can learn new things, but they can't really change their statistics ability						im2_2											im2_4
Class Learning & Interest	Class Learning	1		Was there an activity, lesson, or data set from your class thus far that helped you learn? If so, tell us about it.						learning_open_t2						learning_open_t3					
	Class Interest	1		We'd like to incorporate your interests and ideas into future class activities. Is there a topic you'd like to explore further using data?						interest_open_t2						interest_open_t3					