

Appendix. Constructs and Measurement items

UTAUT adapted		
Construct		Items
Performance Expectancy (PE)	PE1	Using OGD is beneficial for me and useful in my daily life
	PE2	Using OGD will help me to accomplish my research/work quickly
	PE3	Using OGD will increase my productivity in my work
	PE4	Using OGD improves my performance in my work and its quality
Effort Expectancy (EE)	EE1	I realize learning to use OGD is easy
	EE2	I clearly understand how to use OGD
	EE3	I do not have difficulty in explaining why using OGD may be beneficial
	EE4	I find OGD portal ease to use
Social Influence (SI)	SI1	People who influence my behavior (eg family, friends, relatives, neighbours, etc) think that I should use OGD
	SI2	People who are important to me (eg, family, friends) think that I should use OGD
	SI3	People who are important to me (eg, colleagues, close classmates, friends, close contacts, etc) think that I should use OGD
Facilitating Conditions (FC)	FC1	I have the necessary resources (eg computer/mobile devices) to use OGD
	FC2	OGD portal is compatible with other systems (eg digital library, software, hardware, etc) that I use
Voluntariness of Use (VU)	VU1	A specific person, group or representative (either from government, non-government, academic, legal, etc) is available for assistance with difficulties concerning the use of OGD
	VU2	Although it might be helpful, using OGD is certainly not compulsory for my academic (eg report/project/dissertation/participation in any contest/competition etc) or other activities (eg non-academic activities like general curiosity/general knowledge/support to others in their academic/non-academic activities)
	VU3	My academic (eg report/project/dissertation/participation in any contest/competition/etc) or other activities (eg non-academic activities like general curiosity/general knowledge/support to others in their academic/non-academic activities) do not require me to use OGD
	VU4	My use of OGD is voluntary (it is not required by my superiors/research/other activities)
System Quality (SQ)	SQ1	Structure of OGD portal is user-friendly

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	SQ2	The OGD portal that I engaged with is available at all times and responds at an acceptable speed
	SQ3	The OGD portal provides datasets in different file formats (eg XLS, CSV (Comma Separated Values) and open licenses (implying that they are freely accessible and clearly state the legal provisions with regard to the use of data)
	SQ4	The OGD portal provides features needed (eg, data statistical tools, data visualization/mapping, data request, feedback mechanism, quality rating)
	SQ5	The OGD portal provides guidance and documentation to download and interpret the data
Information Quality (IQ)	IQ1	I get the necessary information through OGD portal
	IQ2	The OGD portal provides up-to-date information
	IQ3	Information from the OGD portal is reliable to me
Data Quality (DQ)	DQ1	OGD I engage with are free from errors
	DQ2	OGD I engage with are complete (i.e., cover all attributes needed, no missing value)
	DQ3	OGD I engage with are well-formatted
	DQ4	It is easy to link or combine a dataset to/with other OGD
Trust (TR)	TR1	OGD providers (government/administrative agencies) can be trusted
	TR2	OGD that I engage with seems truthful to me
	TR3	OGD I engage with can be trusted
Behavioural Intention (BI)	BI1	I intend to use OGD and data portals in the future
	BI2	I predict that I will use OGD and data portals in my daily life
	BI3	I plan to use OGD and data portals frequently
Items: Please indicate to which extent do you agree with the following statements? (1 = Strongly disagree) to (5 = Strongly agree)		

HEXACO-PI-R				
Constructs			Items	Reverse scale
Agreeableness (A)	A_Flexibility_1	AF_1	People sometimes tell me that I'm too stubborn	R
	A_Flexibility_2	AF_2	I am usually quite flexible in my opinions when people disagree with me	
	A_Flexibility_3	AF_3	When people tell me that I'm wrong, my first reaction is to argue with them	R
	A_Flexibility_4	AF_4	I find it hard to compromise with people when I really think I'm right	R
	A_Forgiveness_1	AO_1	I rarely hold a grudge, even against people who have badly wronged me	
	A_Forgiveness_2	AO_2	My attitude toward people who have treated me badly is "forgive and forget"	
	A_Forgiveness_3	AO_3	If someone has cheated me once, I will always feel suspicious of that person	R
	A_Forgiveness_4	AO_4	I find it hard to fully forgive someone who has done something mean to me	R
	A_Gentleness_1	AG_1	People sometimes tell me that I am too critical of others	R
	A_Gentleness_2	AG_2	I generally accept people's faults without complaining about them	
	A_Gentleness_3	AG_3	I tend to be lenient in judging other people	
	A_Gentleness_4	AG_4	Even when people make a lot of mistakes, I rarely say anything negative	
	A_Patience_1	AP_1	People think of me as someone who has a quick temper	R
	A_Patience_2	AP_2	I rarely feel angry, even when people treat me quite badly	
	A_Patience_3	AP_3	Most people tend to get angry more quickly than I do	
	A_Patience_4	AP_4	I find it hard to keep my temper when people insult me (meaning that I get angry when people insult me)	R
Conscientiousness (C)	C_Diligence_1	CD_1	When working, I often set ambitious goals for myself	
	C_Diligence_2	CD_2	I often push myself very hard when trying to achieve a goal	
	C_Diligence_3	CD_3	Often when I set a goal, I end up quitting without having reached it	R
	C_Diligence_4	CD_4	I do only the minimum amount of work needed to get by	R
	C_Organization_1	CO_1	I clean my office or home quite frequently	
	C_Organization_2	CO_2	I plan ahead and organize things, to avoid scrambling at the last minute	

HEXACO-PI-R				
Constructs			Items	Reverse scale
	C_Organization_3	CO_3	People often joke with me about the messiness/untidy of my room or desk	R
	C_Organization_4	CO_4	When working, I sometimes have difficulties due to being disorganized	R
	C_Perfectionism_4	CP_1	I often check my work over repeatedly to find any mistakes	
	C_Perfectionism_1	CP_2	When working on something, I don't pay much attention to small details	R
	C_Perfectionism_2	CP_3	I always try to be accurate in my work, even at the expense of time	
	C_Perfectionism_3	CP_4	People often call me a perfectionist	
	C_Prudence_1	CR_1	I make decisions based on the feeling of the moment rather than on careful thought	R
	C_Prudence_2	CR_2	I make a lot of mistakes because I don't think before I act	R
	C_Prudence_3	CR_3	I don't allow my impulses to govern my behavior	
	C_Prudence_4	CR_4	I prefer to do whatever comes to mind, rather than stick to a plan	R
Emotional ity (E)	E_Anxiety_1	EA_1	I sometimes can't help worrying about little things	
	E_Anxiety_2	EA_2	I worry a lot less than most people do	R
	E_Anxiety_3	EA_3	I rarely, if ever, have trouble sleeping due to stress or anxiety	R
	E_Anxiety_4	EA_4	I get very anxious when waiting to hear about an important decision	
	E_Dependence_1	ED_1	When I suffer from a painful experience, I need someone to make me feel comfortable	
	E_Dependence_2	ED_2	I can handle difficult situations without needing emotional support from anyone else	R
	E_Dependence_3	ED_3	Whenever I feel worried about something, I want to share my concern with another person	
	E_Dependence_4	ED_4	I rarely discuss my problems with other people	R
	E_Fearfulness_1	EF_1	I would feel afraid if I had to travel in bad weather conditions	
	E_Fearfulness_2	EF_2	I don't mind doing tasks/assignments/jobs that involve dangerous work	R
	E_Fearfulness_3	EF_3	When it comes to physical danger, I am very fearful	
	E_Fearfulness_4	EF_4	Even in an emergency I wouldn't feel like worrying/panicking	R
	E_Sentimentality_1	ES_1	I feel like crying when I see other people crying	

HEXACO-PI-R				
Constructs			Items	Reverse scale
	E_Sentimentality_2	ES_2	When someone I know well is unhappy, I can almost feel that person's pain myself	
	E_Sentimentality_3	ES_3	I feel strong emotions when someone close to me is going away for a long time	
	E_Sentimentality_4	ES_4	I remain unemotional even in situations where most people get very sentimental	R
eXtraversion (X)	X_Liveliness_1	XL_1	I am energetic nearly all the time	
	X_Liveliness_2	XL_2	On most days, I feel cheerful and optimistic	
	X_Liveliness_3	XL_3	People often tell me that I should try to cheer up	R
	X_Liveliness_4	XL_4	Most people are more upbeat/enthusiastic and dynamic than I generally am	R
	X_Sociability_1	XS_1	I avoid making "small talk" (eg cracking light jokes or talking about unimportant things) with people	R
	X_Sociability_2	XS_2	I enjoy having lots of people around to talk with	
	X_Sociability_3	XS_3	I prefer tasks/assignments/jobs that involve active social interaction to those that involve working alone	
	X_Sociability_4	XS_4	The first thing that I always do in a new place is to make friends	
	X_Social Boldness_1	XB_1	I rarely express my opinions in group meetings	R
	X_Social Boldness_2	XB_2	In social situations, I'm usually the one who makes the first move	
	X_Social Boldness_3	XB_3	When I'm in a group of people, I'm often the one who speaks on behalf of the group	
	X_Social Boldness_4	XB_4	I tend to feel quite self-conscious when speaking in front of a group of people	R
	X_Social Self-Esteem_1	XE_1	I feel reasonably satisfied with myself overall	
	X_Social Self-Esteem_2	XE_2	I think that most people like some aspects of my personality	
	X_Social Self-Esteem_3	XE_3	I feel that I am an unpopular person	R
	X_Social Self-Esteem_4	XE_4	I sometimes feel that I am a worthless/useless person	R
Honesty-Humility (H)	H_Fairness_1	HF_1	If I knew that I could never get caught, I would be willing to steal a million dollars	R
	H_Fairness_2	HF_2	I would be tempted to buy stolen property if I were financially tight	R
	H_Fairness_3	HF_3	I would never accept a bribe, even if it were very large	

HEXACO-PI-R				
Constructs			Items	Reverse scale
	H_Fairness_4	HF_4	Iâ€™d be tempted to use fake/counterfeit/not genuine money, if I were sure I could get away with it	R
	H_Greed Avoidance_1	HG_1	Having a lot of money is not especially important to me	
	H_Greed Avoidance_2	HG_2	I would like to live in a very expensive, high-class neighborhood	R
	H_Greed Avoidance_3	HG_3	I would like to be seen driving around in a very expensive car	R
	H_Greed Avoidance_4	HG_4	I would get a lot of pleasure from owning expensive luxury goods	R
	H_Modesty_1	HM_1	I am an ordinary person who is no better than others	
	H_Modesty_2	HM_2	I wouldn't want people to treat me as though I were superior to them	
	H_Modesty_3	HM_3	I think that I am entitled to more respect than the average person is	R
	H_Modesty_4	HM_4	I want people to know that I am an important person of high status	R
	H_Sincerity_1	HS_1	If I want something from a person I dislike, I will act very nicely toward that person in order to get it	R
	H_Sincerity_2	HS_2	I wouldn't use flattery to get a raise or promotion in academics, even if I thought it would succeed	
	H_Sincerity_3	HS_3	If I want something from someone, I will laugh at that person's worst jokes	R
	H_Sincerity_4	HS_4	I wouldn't pretend to like someone just to get that person to do favors for me	
Openness to Experience (O)	O_Aesthetic Appreciation_1	OA_1	I would be quite bored by a visit to an art gallery	R
	O_Aesthetic Appreciation_2	OA_2	I wouldn't spend my time reading a book of poetry	R
	O_Aesthetic Appreciation_3	OA_3	If I had the opportunity, I would like to attend a classical music concert	
	O_Aesthetic Appreciation_4	OA_4	Sometimes I like to just watch the wind as it blows through the trees	
	O_Creativity_1	OC_1	I would like a job that requires following a routine rather than being creative	R
	O_Creativity_2	OC_2	I would enjoy creating a work of art, such as a novel, a song, or a painting	
	O_Creativity_3	OC_3	People have often told me that I have a good imagination	
	O_Creativity_4	OC_4	I don't think of myself as the artistic or creative type	R

HEXACO-PI-R				
Constructs			Items	Reverse scale
	O_Inquisitiveness_1	OI_1	I'm interested in learning about the history and politics of other countries	
	O_Inquisitiveness_2	OI_2	I enjoy looking at maps of different places	
	O_Inquisitiveness_3	OI_3	I would be very bored by a book about the history of science and technology	R
	O_Inquisitiveness_4	OI_4	I've never really enjoyed looking through an encyclopedia	R
	O_Unconventionality_1	OU_1	I think that paying attention to radical ideas is a waste of time	R
	O_Unconventionality_2	OU_2	I like people who have unconventional views	
	O_Unconventionality_3	OU_3	I think of myself as a somewhat eccentric/crazy person	
	O_Unconventionality_4	OU_4	I find it boring to discuss philosophy	R
<p>Items: Please indicate to which extent do you agree with the following statements? (1 = Strongly disagree) to (5 = Strongly agree)</p> <p>Reverse scale (R): Please indicate to which extent do you agree with the following statements? (5 = Strongly disagree) to (1 = Strongly agree)</p>				