

**Supplement:**

**Statistical considerations on the article “Translation, cross-cultural adaptation, and reliability, of the Italian version of the Passive Risk Taking (PRT) Scale”.**

Silvia Riva<sup>1,2</sup>, Alessandra Gorini<sup>1</sup>, Ilaria Cutica<sup>1</sup>, Ketti Mazzocco<sup>1</sup>, Gabriella Pravettoni<sup>1-3</sup>

*1 Department of Health Sciences, University of Milan, Italy*

*2 Department of Neuroscience, Mario Negri Pharmacological Institute, Milan (Italy)*

*3 Applied Research Division for Cognitive and Psychological Science, European Institute of Oncology (IEO), Milan, Italy*

Corresponding author

Silvia Riva

Department of Health Sciences

University of Milan

Via A.Di Rudini, 8

20142 Milan (Italy)

Phone: 0039 02 50321240

Email: [silvia.riva1@unimi.it](mailto:silvia.riva1@unimi.it)

Total variance explained in the first PCA solution of the Passive Risk Taking Scale containing 8 factors

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	4.361	18.172	18.172	4.361	18.172	18.172
2	2.631	10.962	29.134	2.631	10.962	29.134
3	2.080	8.667	37.801	2.080	8.667	37.801
4	1.440	6.000	43.801	1.440	6.000	43.801
5	1.273	5.304	49.105	1.273	5.304	49.105
6	1.152	4.800	53.905	1.152	4.800	53.905
7	1.065	4.437	58.342	1.065	4.437	58.342
8	.946	3.940	62.283	.946	3.940	62.283

First PCA solution of the Passive Risk Taking Scale containing 8 factors

	1	2	3	4	5	6	7	8
item_1	.669	-.319	-.151	.108	-.015	.201	.028	.219
item_2	.550	-.155	-.215	.233	-.029	.260	-.213	-.323
item_3	<b>.541</b>	.000	-.139	-.091	-.197	-.039	.026	<b>-.426</b>
item_4	<b>.642</b>	-.162	-.201	-.039	-.042	<b>-.416</b>	.011	.154
item_5	<b>.613</b>	.047	<b>-.373</b>	.003	-.015	-.345	-.164	-.005
item_6	<b>.623</b>	-.091	<b>-.423</b>	-.063	-.053	-.256	.316	-.070
item_7	.611	-.033	-.138	.339	.131	.136	.213	.279
item_8	.587	-.039	.032	.319	.190	.082	-.103	-.111
item_9	.093	-.215	<b>.517</b>	<b>.367</b>	<b>.335</b>	.116	.211	-.181
item_10	<b>.454</b>	-.267	.254	-.059	.015	-.042	<b>.313</b>	<b>-.390</b>
item_11	.085	<b>-.388</b>	<b>.686</b>	.148	.176	-.043	.025	.053
item_13	.311	.659	.235	-.081	-.176	-.229	.153	-.003
item_14	<b>.436</b>	<b>.444</b>	<b>.421</b>	-.273	.093	-.301	.106	.046
item_16	.162	.628	-.186	.140	.082	.216	.078	.121
item_17	<b>.531</b>	.187	<b>.484</b>	-.081	.028	-.143	<b>-.335</b>	.109
item_19	<b>.454</b>	<b>.313</b>	-.065	.133	-.125	.092	<b>-.332</b>	.164
item_20	.053	<b>.465</b>	-.195	-.132	.316	<b>.452</b>	.074	-.196
item_21	<b>.344</b>	.038	.092	<b>-.570</b>	.133	.385	-.003	.067
item_22	<b>.428</b>	-.148	<b>.494</b>	-.119	.000	.204	<b>-.284</b>	.044
item_23	.198	<b>-.318</b>	-.152	<b>-.317</b>	<b>.515</b>	.021	.290	<b>.328</b>
item_24	.229	.005	.142	-.265	<b>-.515</b>	<b>.326</b>	.005	.119
item_25	.023	.124	.201	<b>.419</b>	<b>-.492</b>	.177	<b>.399</b>	.246
item_15	.035	.655	.077	-.086	.033	.089	.274	-.151
item_18	-.071	<b>.567</b>	-.021	<b>.384</b>	<b>.366</b>	-.128	-.158	.028

In bold cross-loaded items on two or more factors > |.30|

## The Passive Risk Taking Scale in English and Italian

<u>Resources:</u> Buy an expensive product (computer, refrigerator) only after comparing prices in several stores. Install an up to date anti-virus on my computer.	<u>Risorse:</u> Acquisto i prodotti costosi (computer, frigorifero) solo dopo aver confrontato i prezzi di vari negozi. Installo un antivirus aggiornato sul mio computer.	1	2	3	4	5	6	7
Check the credit card bill in detail every month. Inquire all about a course before signing up (who is the lecturer, what are the topics, the assignments etc...	Controllo minuziosamente ogni mese l'estratto conto della carta di credito. Prima d'iscrivermi a un corso, chiedo tutte le informazioni del caso (chi è il relatore, quali sono gli argomenti, i lavori, ecc.)	1	2	3	4	5	6	7
Read the fine print on any major document like a lease, an insurance policy or loan application	Leggo tutte le clausole dei documenti importanti (locazioni, polizze assicurative, richieste di prestito)	1	2	3	4	5	6	7
Save receipts and warranty documents of major items in an organized fashion.	Conservo le ricevute e le garanzie delle cose più importanti in modo ordinato.	1	2	3	4	5	6	7
Check tolls and prices before calling long distance or overseas.	Verifico le tariffe e i prezzi prima di fare una chiamata internazionale o intercontinentale.	1	2	3	4	5	6	7
Back up all important files on the computer, including documents, pictures or videos.	Faccio il back-up di tutti i file importanti sul computer (documenti, fotografie o video).	1	2	3	4	5	6	7
Not save money regularly*	Non è mia abitudine mettere regolarmente da parte un po' di denaro*	1	2	3	4	5	6	7
Always lock the house door when going to sleep.	Chiudo sempre a chiave la porta di casa prima di andare a letto.	1	2	3	4	5	6	7
Buy clothes without trying them on.*	Mi compro i vestiti senza provarli.*	1	2	3	4	5	6	7
Buy a used car only after taking it to a complete check up in a licensed auto shop.	Acquisto un'auto usata solo dopo aver fatto fare un check-up completo in un'officina autorizzata.	1	2	3	4	5	6	7
<u>Medical:</u> Immediately go to the doctor's when something in my body is aching or bothering me.	<u>Medico:</u> Vado subito dal medico quando ho qualche dolore o fastidio.	1	2	3	4	5	6	7
Have regular general medical check-ups every one or two years.	Mi sottopongo regolarmente a un check-up medico ogni 1-2 anni.	1	2	3	4	5	6	7
Get vaccinated for the flu in the winter.	In inverno mi vaccino contro l'influenza.	1	2	3	4	5	6	7
Install an anti-collision device in the car.	Installo un dispositivo anti-collisione sull'auto.	1	2	3	4	5	6	7
Drive straight to the auto repair shop when the car makes a strange noise.	Vado direttamente dal meccanico quando l'auto fa un rumore strano.	1	2	3	4	5	6	7
Ask the person I am dating about his/her sexual history.	Chiedo alla persona che sto iniziando a frequentare di raccontarmi la sua vita sessuale passata.	1	2	3	4	5	6	7
Buy serious medical insurance when traveling to another country.	Quando viaggio all'estero, sottoscrivo un'assicurazione medica seria.	1	2	3	4	5	6	7
<u>Ethical:</u> Always wear a seatbelt when sitting in the back seat.	<u>Etico:</u> Indosso sempre la cintura di sicurezza quando siedo sui sedili posteriori.	1	2	3	4	5	6	7
Pay when parking in a blue-white zone as directed by the parking meter.	Quando parcheggio sulle strisce blu, pago il pedaggio previsto.	1	2	3	4	5	6	7
Change some part in the car (filter, strap, etc..) because the mechanic said it was old and due to fail.	Cambio alcuni pezzi dell'auto (filtro, cinghia, ecc.) perché il meccanico mi ha detto che sono vecchi e destinati a rompersi.	1	2	3	4	5	6	7
Go through customs without declaring about goods I am bringing which are supposed to be taxed.*	Passo la dogana senza dichiarare i beni soggetti a tassazione che sto trasportando.*	1	2	3	4	5	6	7
Report to social services about a child from the neighborhood that is being seriously neglected by his parents.	Se un bambino del vicinato viene seriamente trascurato dai genitori, mi rivolgo ai servizi sociali.	1	2	3	4	5	6	7
Not say anything when receiving too much change at the store.	Non dico niente quando in un negozio mi danno più resto del dovuto.	1	2	3	4	5	6	7

*inter-item correlations factor 1*

**Reliability Statistics**

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.780	.780	12

**Inter-Item Correlation Matrix**

	item_1	item_6	item_5	item_7	item_4	item_8	item_11	item_2	item_3	item_9	item_12	item_10
item_1	1.000	.360	.360	.486	.466	.367	-.089	.415	.297	.038	.228	.272
item_6	.360	1.000	.442	.392	.478	.233	.124	.311	.365	-.058	.232	.321
item_5	.360	.442	1.000	.361	.499	.318	.163	.288	.299	-.073	.343	.120
item_7	.486	.392	.361	1.000	.286	.426	-.058	.328	.207	.077	.274	.167
item_4	.466	.478	.499	.286	1.000	.263	.008	.271	.330	.004	.249	.212
item_8	.367	.233	.318	.426	.263	1.000	-.049	.355	.229	.157	.378	.266
item_11	-.089	.124	.163	-.058	.008	-.049	1.000	.028	.068	-.403	-.149	-.243
item_2	.415	.311	.288	.328	.271	.355	.028	1.000	.340	.079	.167	.215
item_3	.297	.365	.299	.207	.330	.229	.068	.340	1.000	-.029	.231	.212
item_9	.038	-.058	-.073	.077	.004	.157	-.403	.079	-.029	1.000	.084	.194
item_12	.228	.232	.343	.274	.249	.378	-.149	.167	.231	.084	1.000	.328
item_10	.272	.321	.120	.167	.212	.266	-.243	.215	.212	.194	.328	1.000

**Inter-Item Correlation Matrix**

	item_1	item_6	item_5	item_7	item_4	item_8	item_11	item_2	item_3	item_9	item_12	item_10
item_1	1.000	.360	.360	.486	.466	.367	-.089	.415	.297	.038	.228	.272
item_6	.360	1.000	.442	.392	.478	.233	.124	.311	.365	-.058	.232	.321
item_5	.360	.442	1.000	.361	.499	.318	.163	.288	.299	-.073	.343	.120
item_7	.486	.392	.361	1.000	.286	.426	-.058	.328	.207	.077	.274	.167
item_4	.466	.478	.499	.286	1.000	.263	.008	.271	.330	.004	.249	.212
item_8	.367	.233	.318	.426	.263	1.000	-.049	.355	.229	.157	.378	.266
item_11	-.089	.124	.163	-.058	.008	-.049	1.000	.028	.068	-.403	-.149	-.243
item_2	.415	.311	.288	.328	.271	.355	.028	1.000	.340	.079	.167	.215
item_3	.297	.365	.299	.207	.330	.229	.068	.340	1.000	-.029	.231	.212
item_9	.038	-.058	-.073	.077	.004	.157	-.403	.079	-.029	1.000	.084	.194
item_12	.228	.232	.343	.274	.249	.378	-.149	.167	.231	.084	1.000	.328
item_10	.272	.321	.120	.167	.212	.266	-.243	.215	.212	.194	.328	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Inter-Item Correlations	.210	-.403	.499	.902	-1.239	.033	12

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
item_1	47.83	108.746	.562	.421	.727
item_6	48.21	107.397	.561	.416	.726
item_5	48.63	108.816	.545	.406	.729
item_7	48.79	108.678	.512	.375	.732
item_4	48.32	110.793	.535	.405	.731
item_8	48.62	109.964	.517	.332	.732
item_11	50.40	132.912	-.096	.270	.796
item_2	48.38	109.527	.485	.283	.735
item_3	48.83	110.608	.439	.234	.741
item_9	47.98	128.380	.016	.201	.785
item_12	48.44	111.067	.407	.278	.745

Item-Total Statistics					
	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
item_1	47.83	108.746	.562	.421	.727
item_6	48.21	107.397	.561	.416	.726
item_5	48.63	108.816	.545	.406	.729
item_7	48.79	108.678	.512	.375	.732
item_4	48.32	110.793	.535	.405	.731
item_8	48.62	109.964	.517	.332	.732
item_11	50.40	132.912	-.096	.270	.796
item_2	48.38	109.527	.485	.283	.735
item_3	48.83	110.608	.439	.234	.741
item_9	47.98	128.380	.016	.201	.785
item_12	48.44	111.067	.407	.278	.745
item_10	47.41	114.066	.354	.275	.751

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
52.89	132.110	11.494	12

**Intraclass Correlation Coefficient**

	Intraclass Correlation <sup>a</sup>	95% Confidence Interval		F Test with True Value 0			
		Lower Bound	Upper Bound	Value	df1	df2	Sig
Single Measures	.210 <sup>b</sup>	.175	.252	4.199	271	2981	.000
Average Measures	.762 <sup>c</sup>	.718	.802	4.199	271	2981	.000

Two-way mixed effects model where people effects are random and measure effects are fixed.

- a. Type C intraclass correlation coefficients using a consistency definition-the between-measure variance is excluded from the denominator variance.
- b. The estimator is the same, whether the interaction effect is present or not.
- c. This estimate is computed assuming the interaction effect is absent, since it is not estimable otherwise.

*Inter-item correlations Factor 2*

**Reliability Statistics**

Cronbach's Alpha Based on		
Cronbach's Alpha	Standardized Items	N of Items
.701	.701	7

**Inter-Item Correlation Matrix**

	item_13	item_18	item_16	item_15	item_14	item_19	item_17
item_13	1.000	.215	.290	.333	.583	.194	.307
item_18	.215	1.000	.369	.237	.124	.165	.088
item_16	.290	.369	1.000	.321	.143	.229	.104
item_15	.333	.237	.321	1.000	.259	.171	.125
item_14	.583	.124	.143	.259	1.000	.236	.472
item_19	.194	.165	.229	.171	.236	1.000	.303
item_17	.307	.088	.104	.125	.472	.303	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Inter-Item Correlations	.251	.088	.583	.496	6.648	.015	7

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
item_13	16.91	39.204	.545	.405	.632
item_18	18.10	46.379	.310	.163	.690
item_16	17.86	43.679	.382	.236	.675
item_15	17.90	41.465	.383	.186	.675
item_14	16.89	38.428	.519	.444	.636
item_19	16.92	41.529	.348	.146	.686
item_17	16.54	41.546	.393	.263	.672

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
20.19	54.125	7.357	7

**Intraclass Correlation Coefficient**

	Intraclass Correlation <sup>a</sup>	95% Confidence Interval		F Test with True Value 0			
		Lower Bound	Upper Bound	Value	df1	df2	Sig
Single Measures	.251 <sup>b</sup>	.207	.300	3.344	293	1758	.000
Average Measures	.701 <sup>c</sup>	.646	.750	3.344	293	1758	.000

Two-way mixed effects model where people effects are random and measures effects are fixed.

- a. Type C intraclass correlation coefficients using a consistency definition-the between-measure variance is excluded from the denominator variance.
- b. The estimator is the same, whether the interaction effect is present or not.
- c. This estimate is computed assuming the interaction effect is absent, since it is not estimable otherwise.

*Inter-item correlations factor 3*

**Reliability Statistics**

Cronbach's Alpha Based on Standardized Items		
Cronbach's Alpha	Standardized Items	N of Items
.546	.546	6

**Item Statistics**

	Mean	Std. Deviation	N
item_20	5.35	1.814	297
item_21	5.18	1.781	297
item_22	4.41	1.871	297
item_23	2.70	1.744	297
item_24	4.99	1.549	297
item_25	3.47	1.981	297

**Inter-Item Correlation Matrix**

	item_20	item_21	item_22	item_23	item_24	item_25
item_20	1.000	.704	.293	-.201	.243	-.045
item_21	.704	1.000	.528	-.116	.265	.018
item_22	.293	.528	1.000	-.067	.223	.049
item_23	-.201	-.116	-.067	1.000	-.008	.184
item_24	.243	.265	.223	-.008	1.000	.034
item_25	-.045	.018	.049	.184	.034	1.000

**Summary Item Statistics**

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	4.350	2.697	5.350	2.653	1.984	1.119	6

**Item-Total Statistics**

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
item_20	20.75	23.081	.361	.525	.381
item_21	20.92	20.565	.553	.611	.368
item_22	21.69	22.444	.380	.302	.368
item_23	23.40	30.822	-.062	.074	.590
item_24	21.10	25.992	.271	.090	.436
item_25	22.62	27.101	.080	.040	.540

**Scale Statistics**

Mean	Variance	Std. Deviation	N of Items
26.10	32.669	5.716	6

**Intraclass Correlation Coefficient**

	Intraclass Correlation <sup>a</sup>	95% Confidence Interval		F Test with True Value 0			
		Lower Bound	Upper Bound	Value	df1	df2	Sig
Single Measures	.138 <sup>b</sup>	.098	.184	1.961	296	1480	.000
Average Measures	.490 <sup>c</sup>	.395	.575	1.961	296	1480	.000

Two-way mixed effects model where people effects are random and measures effects are fixed.

- Type C intraclass correlation coefficients using a consistency definition-the between-measure variance is excluded from the denominator variance.
- The estimator is the same, whether the interaction effect is present or not.
- This estimate is computed assuming the interaction effect is absent, since it is not estimable otherwise.