

Mean and percentile values of the target answers in the Kolumbo elicitation

Supporting Material 5 to:

Kolumbo Volcano, Greece: expert elicitation findings supporting volcanic hazard and risk assessment

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In this Supporting File we tabulate the mean and percentile values of target answers collected in the first elicitation workshop held on Santorini, 9-12 May 2023, and in the second, follow-up elicitation workshop, held at INGV Pisa, Italy, 18-19 October 2023.

Target Percentiles

Percentiles of target questions

	Q05 (EW)	Q50 (EW)	Q95 (EW)	Qmean (EW)	Q05 (Cooke)	Q50 (Cooke)	Q95 (Cooke)	Qmean (Cooke)
TQ 1	6.79E-01	2.01E+00	4.84E+00	2.23E+00	9.38E-01	2.49E+00	4.91E+00	2.66E+00
TQ 2a	6.02	61.75	89.02	53.63	29.97	68.29	93.04	66.53
TQ 2b	10.47	36.27	93.58	44.07	8.99	30.79	68.36	32.52
TQ 3a	3.91E+00	1.17E+01	2.93E+01	1.37E+01	2.53E+00	1.02E+01	3.08E+01	1.21E+01
TQ 3b	3.90E-01	1.14E+00	2.93E+00	1.32E+00	4.43E-01	1.39E+00	2.95E+00	1.53E+00
TQ 3c	4.27E+03	2.80E+04	1.23E+05	2.39E+04	3.58E+03	2.53E+04	2.49E+05	2.74E+04
TQ 3d	1.01E+01	1.75E+01	3.32E+01	1.85E+01	1.04E+01	1.96E+01	3.40E+01	2.08E+01
TQ 3e	7.31E+00	1.45E+01	2.64E+01	1.49E+01	1.00E+01	1.54E+01	2.70E+01	1.63E+01
TQ 3f	5.21	15.70	33.13	16.58	5.53	17.98	30.89	18.22
TQ 3g	6.41	30.41	83.48	36.97	9.99	47.98	79.37	46.72
TQ 4a1	2.08E+02	6.22E+03	4.32E+04	4.73E+03	6.81E+01	2.29E+03	2.63E+04	2.05E+03
TQ 4a2	54.00	86.89	96.61	83.36	47.70	83.23	96.53	78.89
TQ 4a3	0.67	8.60	39.17	11.57	0.29	3.36	41.18	8.89
TQ 4b	4.60E+00	1.92E+02	2.75E+03	1.62E+02	6.22E+00	1.49E+02	2.66E+03	1.40E+02
TQ 4b2	7.52E-01	6.29E+01	4.08E+03	5.01E+01	2.63E-01	5.10E+01	3.59E+03	4.43E+01
TQ 5a	25.74	71.35	95.44	67.69	17.82	69.30	92.84	64.40
TQ 5b	4.00	23.31	64.54	26.02	6.03	25.49	79.73	30.03
TQ 5c	0.19	7.07	29.94	10.09	0.24	5.23	34.42	8.89
TQ 6a	30.37	56.95	89.64	57.01	24.46	51.59	86.43	52.79
TQ 6b	9.40	38.44	67.60	38.17	11.98	40.57	68.80	40.25
TQ 6c	0.05	5.10	25.45	7.19	1.22	7.86	29.97	11.23

Percentiles of target questions

	Q05 (EW)	Q50 (EW)	Q95 (EW)	Qmean (EW)	Q05 (Cooke)	Q50 (Cooke)	Q95 (Cooke)	Qmean (Cooke)
TQ 7a	2.22E-02	9.72E-01	4.99E+00	6.77E-01	1.43E-02	4.99E-01	3.92E+00	3.54E-01
TQ 7b	1.45E-02	2.06E-01	9.62E-01	1.68E-01	1.61E-02	2.09E-01	9.87E-01	1.77E-01
TQ 7c	3.02E-01	2.04E+00	5.99E+00	2.65E+00	6.85E-01	2.23E+00	5.43E+00	2.47E+00
TQ 8	4.69E-03	6.79E-01	1.83E+01	5.21E-01	9.48E-03	7.46E-01	1.44E+01	6.16E-01
TQ 8a	6.66E+00	2.99E+02	1.95E+04	3.23E+02	2.64E+01	5.15E+02	2.11E+04	5.88E+02
TQ 9a	2.40E-01	1.41E+01	7.06E+01	9.98E+00	3.95E-01	1.52E+01	5.46E+01	1.04E+01
TQ 9b	19.92	73.48	96.43	66.97	27.83	76.21	97.08	72.11
TQ 9c	1.92E-05	5.93E-01	2.68E+01	1.23E-01	1.79E-04	5.64E+00	2.68E+01	8.22E-01
TQ 10	9.52	52.98	88.65	50.22	14.96	61.93	90.54	59.02
TQ 11a	2.81E+00	4.16E+01	6.32E+02	4.26E+01	3.21E+00	3.18E+01	4.31E+02	3.14E+01
TQ 11b	7.08E-01	4.82E+01	1.05E+03	3.28E+01	5.86E-01	1.02E+01	3.73E+02	1.35E+01
TQ 12a	19.28	65.03	96.22	62.10	24.67	66.15	94.93	63.62
TQ 12b	3.86	33.35	77.11	35.95	4.99	33.16	66.52	35.08
TQ 13	1.22E+00	1.38E+01	1.73E+02	1.44E+01	2.04E+00	1.87E+01	9.45E+01	1.79E+01
TQ 14a	15.05	64.17	93.37	60.20	18.70	57.33	92.46	56.51
TQ 14b	1.48	12.40	37.45	14.66	1.27	9.78	43.38	14.49
TQ 14c	14.56	69.99	92.00	62.93	14.29	60.15	89.14	58.28
TQ 14d1	12.54	59.85	94.35	56.01	15.14	51.68	92.70	52.53
TQ 14d2	5.19	27.23	74.57	33.29	4.83	18.78	63.76	22.56
TQ 14d3	1.26	12.51	56.93	17.73	1.53	7.35	29.66	10.61
TQ 15a	2.35	22.35	86.88	29.76	0.74	18.78	59.71	22.96

Percentiles of target questions

	Q05 (EW)	Q50 (EW)	Q95 (EW)	Qmean (EW)	Q05 (Cooke)	Q50 (Cooke)	Q95 (Cooke)	Qmean (Cooke)
TQ 15b	3.36E+00	1.22E+01	3.92E+01	1.50E+01	2.75E+00	1.52E+01	3.05E+01	1.62E+01
TQ 15c	2.30E+00	1.10E+01	4.91E+01	1.64E+01	1.21E+00	7.48E+00	3.71E+01	1.09E+01
TQ 15d	5.51	23.82	68.50	30.41	4.13	35.09	69.78	35.35
TQ 15e1	2.95	12.65	40.50	16.50	3.04	14.10	38.65	16.74
TQ 15e2	0.34	5.17	25.25	8.00	0.97	5.13	23.53	7.30
TQ 15e3	0.01	1.38	9.87	2.57	0.04	0.77	5.00	1.76
TQ 16a	8.62	51.71	88.37	51.12	14.83	58.01	92.58	56.86
TQ 16b1	4.87E+01	3.29E+03	3.40E+04	2.32E+03	5.04E+01	1.77E+03	4.04E+04	1.56E+03
TQ 16b2	57.38	87.46	96.75	84.25	50.83	81.71	97.33	78.67
TQ 16b3	1.08	10.40	38.20	13.01	0.49	4.53	41.12	9.88
TQ 16c1	14.51	58.52	88.12	56.47	7.10	44.63	80.13	43.21
TQ 16c2	3.71	29.50	63.14	30.51	2.06	16.87	47.97	19.54
TQ 16c3	0.05	5.77	32.25	9.30	0.19	3.04	15.44	4.72
TQ 16d1	2.64E-01	1.15E+02	3.48E+03	8.28E+01	3.40E+00	8.01E+01	2.32E+03	7.81E+01
TQ 16d2	0.61	5.66	27.34	8.87	1.90	9.72	31.03	12.70
TQ 16d3	2.13E-01	7.87E+01	2.25E+03	4.83E+01	1.78E-01	5.88E+01	1.14E+03	4.13E+01
TQ 16e	7.45E-02	1.83E+00	1.97E+01	1.42E+00	1.02E-01	1.25E+00	1.85E+01	1.13E+00
TQ 17a	1.67	12.99	77.44	23.53	3.75	20.31	59.23	25.49
TQ 17b	0.43	6.48	69.57	16.80	2.37	16.89	58.98	24.00
TQ 17c	5.34E-03	8.89E-01	1.47E+01	5.40E-01	4.53E-03	4.14E+00	2.73E+01	1.45E+00
TQ 17d	3.20E+03	8.33E+05	2.44E+09	1.48E+06	2.92E+03	5.91E+06	9.66E+08	3.58E+06
TQ 17e	4.70E-02	6.69E-01	2.08E+01	7.99E-01	5.83E-02	8.83E-01	1.82E+01	9.03E-01