

# Earthquake Perception Data Highlight Natural Frequency Details of Italian Buildings

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## Introduction

Supplementary information with a table containing the slopes and statistics of discriminant lines calculated on the data for earthquakes felt or not felt by observers located in each combination of floor and building height.

Number of storeys	Observation floor	Number of data	Discriminant line slope	F-test probability
1	basement	243	3.23	0
1	ground level	15623	2.69	0
1	1	12823	3.06	0
2	basement	1075	2.51	0
2	ground level	27133	2.76	0
2	1	36750	2.87	0
2	2	23925	2.99	0
3	basement	926	2.93	0

3	ground level	12557	2.73	0
3	1	18016	2.70	0
3	2	21383	2.73	0
3	3	16030	2.69	0
4	basement	398	2.79	0
4	ground level	3720	2.71	0
4	1	6933	2.64	0
4	2	8129	2.49	0
4	3	10913	2.55	0
4	4	8341	2.61	0
5	basement	167	2.27	0
5	ground level	1747	2.57	0
5	1	3487	2.53	0
5	2	3941	2.53	0
5	3	5222	2.53	0
5	4	6676	2.40	0
5	5	5829	2.26	0
6	basement	103	1.87	0
6	ground level	898	2.40	0
6	1	1558	2.52	0
6	2	1948	2.50	0
6	3	2275	2.36	0
6	4	2599	2.37	0
6	5	3310	2.23	0
6	6	2858	2.32	0
7	basement	52	2.32	0.0001
7	ground level	290	2.78	0
7	1	677	2.44	0
7	2	811	2.79	0
7	3	1093	2.22	0
7	4	1182	2.35	0

7	5	1521	2.29	0
7	6	2082	1.95	0
7	7	1437	2.26	0
8	basement	23	2.56	0.1044
8	ground level	190	2.57	0
8	1	339	2.67	0
8	2	386	2.60	0
8	3	523	2.82	0
8	4	648	2.84	0
8	5	590	2.31	0
8	6	803	2.48	0
8	7	969	2.57	0
8	8	672	2.30	0
9	basement	10	2.60	0.0243
9	ground level	55	3.58	0.0005
9	1	134	2.95	0
9	2	159	2.76	0
9	3	141	2.25	0
9	4	192	3.35	0
9	5	170	2.53	0
9	6	220	2.37	0
9	7	268	2.32	0
9	8	433	1.92	0
9	9	213	2.17	0
10	basement	28	0.33	0.2803
10	ground level	56	3.59	0
10	1	67	2.23	0.0003
10	2	73	2.67	0
10	3	72	2.16	0.0023
10	4	71	2.14	0.0001
10	5	84	2.89	0

10	6	111	1.84	0
10	7	137	1.93	0
10	8	141	1.73	0
10	9	162	2.35	0
10	10	106	1.90	0.0037
>10	basement	14	2.69	0.1352
>10	ground level	83	3.88	0
>10	1	90	2.60	0
>10	2	94	3.13	0
>10	3	81	3.25	0
>10	4	110	1.59	0
>10	5	97	2.66	0
>10	6	120	3.26	0
>10	7	117	2.13	0
>10	8	111	1.57	0
>10	9	161	1.10	0
>10	10	192	1.65	0

**Table S1.** Number of data on earthquakes felt or not felt by observers located in each combination of floors and building height, together with slopes and statistics of discriminant lines. Rows highlighted in gray indicate cases with few data and not significant results.