

Supplementary Material 02: Statistical descriptors and log-normal fit for I_1 and I_2

Subject	Mean		St. Dev.		Kurt.		Skew.	
	LL	RL	LL	RL	LL	RL	LL	RL
S01	1.249	1.236	0.135	0.117	0.717	1.972	0.738	0.933
S02	1.303	1.319	0.093	0.107	0.940	1.065	0.731	0.543
S03	1.273	1.286	0.114	0.142	0.885	0.219	0.579	0.723
S04	1.245	1.218	0.092	0.068	1.537	1.272	0.568	0.536
S05	1.552	1.491	0.122	0.122	0.763	0.487	0.422	0.203
S06	1.502	1.498	0.097	0.099	1.200	0.939	-0.057	0.176
S07	1.260	1.253	0.098	0.096	1.896	2.045	0.408	0.368
S08	1.460	1.466	0.165	0.154	0.046	1.904	-0.042	0.428
S09	1.140	1.136	0.073	0.079	1.433	2.171	0.346	0.681
S10	1.376	1.362	0.112	0.101	0.522	1.136	0.216	-0.040
S11	1.460	1.445	0.171	0.184	0.961	1.209	0.869	0.704

Table 1: Statistical measures for the left lung (LL) and right lung (RL) distributions of I_1

Subject	Mean		St. Dev.		Kurt.		Skew.	
	LL	RL	LL	RL	LL	RL	LL	RL
S01	1.538	1.503	0.334	0.291	1.425	3.425	0.978	1.240
S02	1.681	1.710	0.249	0.294	1.331	1.382	0.822	0.637
S03	1.593	1.609	0.290	0.359	1.861	0.901	0.821	0.902
S04	1.535	1.463	0.223	0.171	1.816	1.630	0.680	0.589
S05	2.338	2.171	0.371	0.360	0.864	0.661	0.503	0.326
S06	2.218	2.189	0.283	0.294	0.992	0.991	-0.026	0.258
S07	1.577	1.531	0.249	0.233	2.083	1.738	0.681	0.184
S08	2.079	2.068	0.474	0.414	0.313	0.651	0.191	0.227
S09	1.291	1.274	0.166	0.180	1.942	3.094	0.494	0.874
S10	1.862	1.817	0.305	0.276	0.738	1.043	0.393	0.089
S11	2.085	2.021	0.511	0.549	1.959	2.489	1.154	1.130

Table 2: Statistical measures for the left lung (LL) and right lung (RL) distributions of I_2

Subject	$\hat{\mu}$		$\hat{\sigma}$		Error [%]	
	LL	RL	LL	RL	LL	RL
S01	0.217	0.208	0.106	0.092	10.1	14.7
S02	0.262	0.273	0.070	0.080	10.2	11.2
S03	0.237	0.245	0.089	0.107	13.9	14.8
S04	0.216	0.196	0.073	0.055	16.0	18.1
S05	0.436	0.396	0.078	0.082	14.1	18.0
S06	0.405	0.402	0.065	0.066	15.4	14.5
S07	0.228	0.223	0.077	0.076	24.6	20.3
S08	0.372	0.377	0.115	0.105	18.0	10.3
S09	0.129	0.125	0.063	0.068	9.1	12.1
S10	0.316	0.306	0.081	0.075	7.4	12.4
S11	0.372	0.360	0.114	0.125	20.1	17.7
average error =					14.4	14.9

Table 3: Log-normal fit: location and scale parameters, and fit error for I_1 .

Subject	$\hat{\mu}$		$\hat{\sigma}$		Error [%]	
	LL	RL	LL	RL	LL	RL
S01	0.408	0.390	0.209	0.184	9.4	13.2
S02	0.509	0.522	0.144	0.171	9.9	14.6
S03	0.450	0.452	0.178	0.214	12.2	13.5
S04	0.418	0.374	0.143	0.115	14.7	14.9
S05	0.837	0.761	0.158	0.168	15.3	18.9
S06	0.788	0.774	0.132	0.136	18.7	16.8
S07	0.443	0.414	0.158	0.157	25.8	24.4
S08	0.704	0.705	0.239	0.208	18.0	13.1
S09	0.247	0.233	0.128	0.138	11.0	14.0
S10	0.608	0.585	0.165	0.157	8.3	16.1
S11	0.707	0.669	0.232	0.263	17.9	19.2
average error =					14.7	16.2

Table 4: Log-normal fit: location and scale parameters and fit error for I_2 .