

النمذجة

أنظر إلى الأرقام .. هل تستطيع
فهم أو إستنتاج أي شيء منها؟
عن طريق بناء نموذج نستطيع
تلخيص كل هذه الأرقام في نموذج
كما هو ممثل بالمعادلة الرياضية
التي أمامك!!!

z_t

60.1815	59.5257	58.9275	56.4828	56.1346	57.2318	60.7196	59.9315
61.0640	61.4230	63.1547	63.9622	63.5049	64.6886	62.8556	61.0344
58.0059	58.7108	57.9813	59.1721	62.4654	60.5820	59.3191	60.6643
61.2223	61.4761	61.1856	60.9225	59.3054	58.3755	59.5353	60.5777
61.9753	62.1789	61.8108	58.1483	58.4174	60.1325	59.6004	59.9086
60.4833	61.7008	59.1609	59.4554	59.0903	58.0151	59.1455	62.2658
63.4411	60.5918	65.1325	61.7122	58.8802	59.5333	60.9492	61.9013
59.3478	59.4444	62.6899	61.6708	63.7261	55.7339	58.1690	54.5045
56.7241	57.3334	57.9363	58.5870	61.8370	58.9585	56.7437	55.8451
58.1281							
61.7840							
60.9021	63.1070	60.0538	63.6776	60.8942	60.5289	59.9246	59.7252
60.7001	58.1895	54.5550	54.6083	56.5413	59.1567	57.9624	58.4651
61.9462	61.9205	63.3933	62.3827	61.4310	60.3373	57.8803	61.2797
61.9448	56.2599	59.9569	57.8763	59.2086	55.4219	54.2185	58.0143
60.9805	62.1362	60.0855	60.3843	60.8605	62.3728	57.0642	56.6085
57.5151	58.4221	60.6919	63.5907	61.4451	60.1458	57.3940	56.8697
59.2145	60.8962	61.1852	58.1711	53.8560	57.5307	59.3236	57.2961
58.5278	60.3030	60.6201	59.9346	59.4119	61.5614	61.1107	59.6266
60.3550	60.7021	60.7227	58.0423	59.3488	60.0377	58.7336	58.1105
59.4242	58.5790	58.6501	55.4010	59.3839	60.8256	62.1957	61.9152
60.3319	57.1459	59.0970	59.0997	59.8597	59.0780	56.9972	59.0778

$z_t = 59.76 + 0.51(z_{t-1} - 59.76) + a_t, \quad a_t \sim WN(0, 3.44)$