

**Table 1: Model Parameters**

<b><i>Set A: Individual Parameters</i></b> 1. Average Interpersonal Trust ( $TG$ ) 2. Average trust of political institutions ( $TP$ ) 3. Threshold for believing the rumor ( $A$ )	<b><i>Set B: Rumor Parameters</i></b> 1. Number of initial believers ( $N_b$ )	<b><i>Set C: Community Parameters</i></b> 1. Number of agents ( $N$ ) 2. Type of network
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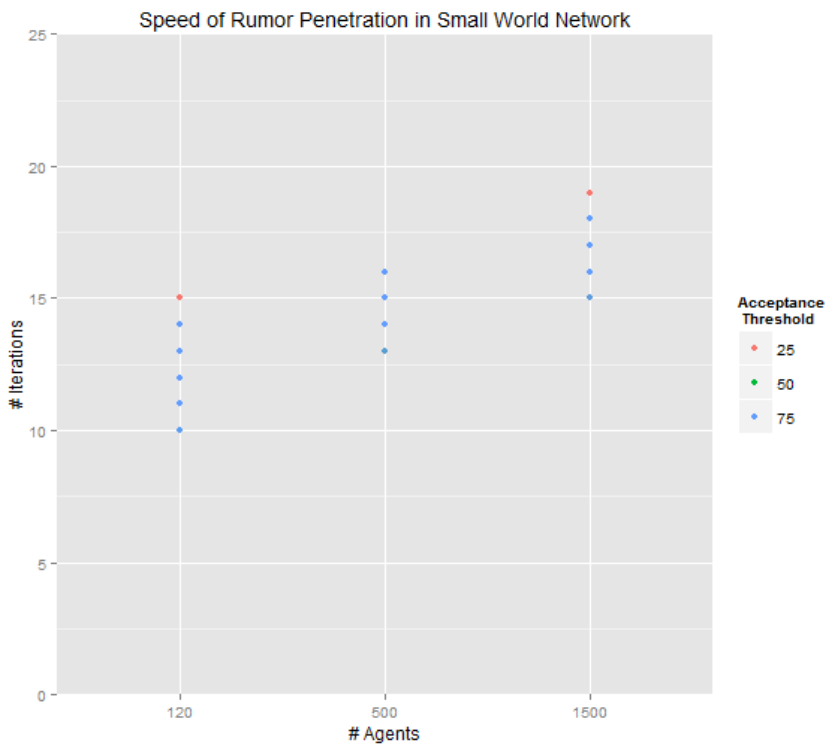
**Table 2: Percent Rumor Belief in a Small World Network As A Function of Network Size and Rumor Acceptance Threshold**

	Rumor Acceptance Threshold	Minimum	Average	Maximum
N = 125	Low	57.14	95.18	100
	Medium	8.75	64.27	100
	High	4.88	21.35	77.78
N = 500	Low	66.77	95.73	100
	Medium	90.65	65.25	100
	High	3.38	20.71	76.23
N = 1500	Low	69.49	95.79	100
	Medium	7.55	65.03	99.90
	High	4.53	20.79	75.47

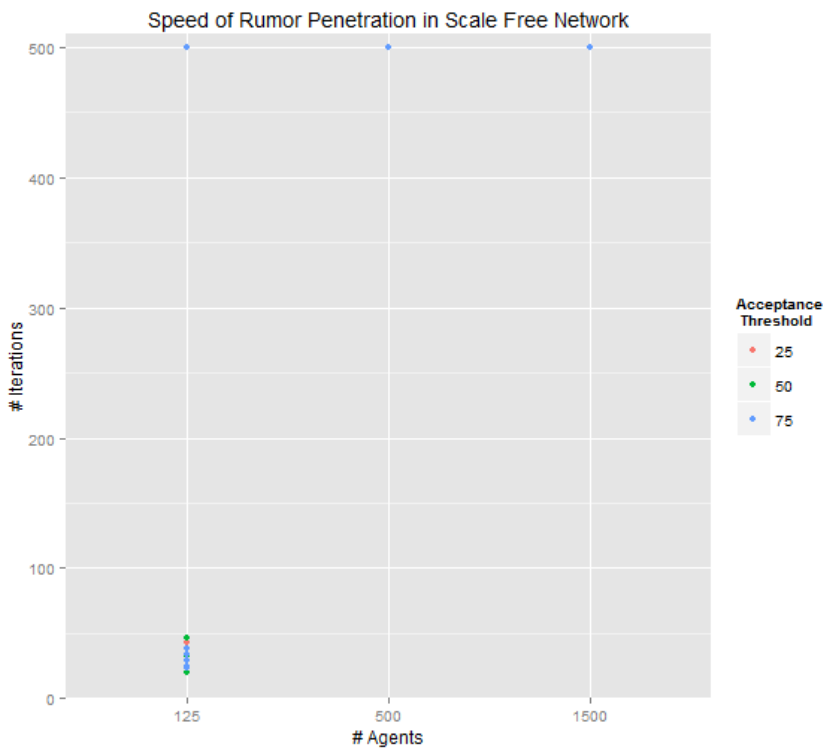
**Table 3: Percent Rumor Belief in a Scale Free Network As A Function of Network Size and Rumor Acceptance Threshold**

	Rumor Acceptance Threshold	Minimum	Average	Maximum
N = 125	Low	0	67.33	100
	Medium	0	37.84	97.67
	High	0	12.55	55.56
N = 500	Low	0	65.14	99.44
	Medium	0	39.30	93.75
	High	0	10.34	45.86
N = 1500	Low	0	62.96	97.91
	Medium	0	31.21	94.57
	High	0	9.33	45.17

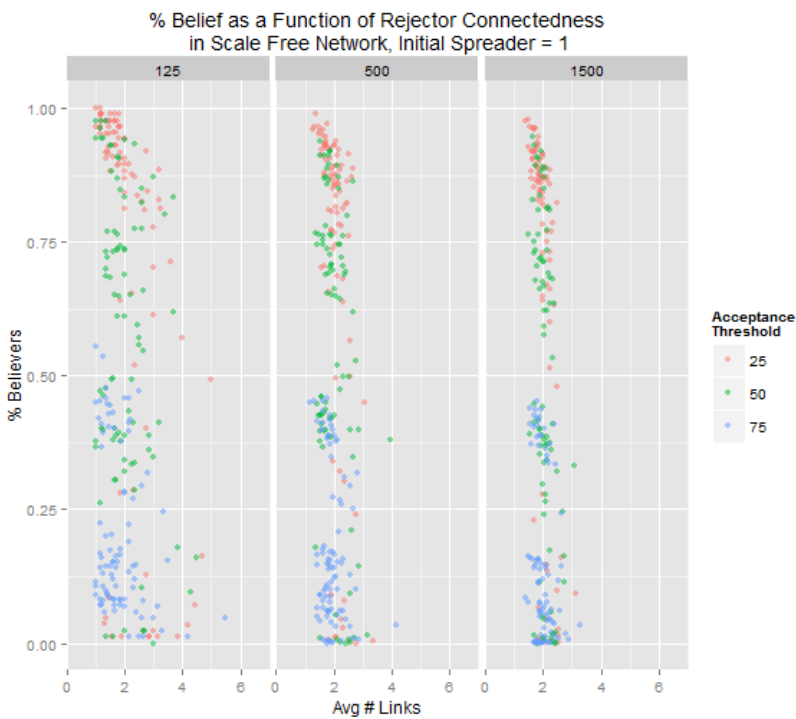
**Figure 1a: Speed of Rumor Penetration in a Small World Network**



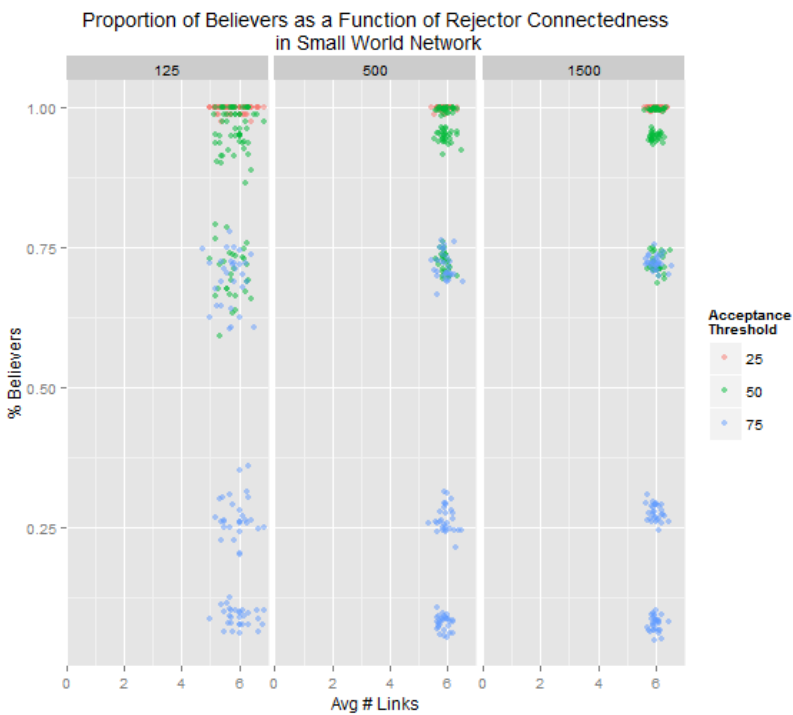
**Figure 1b: Speed of Rumor Penetration in a Scale-Free Network**



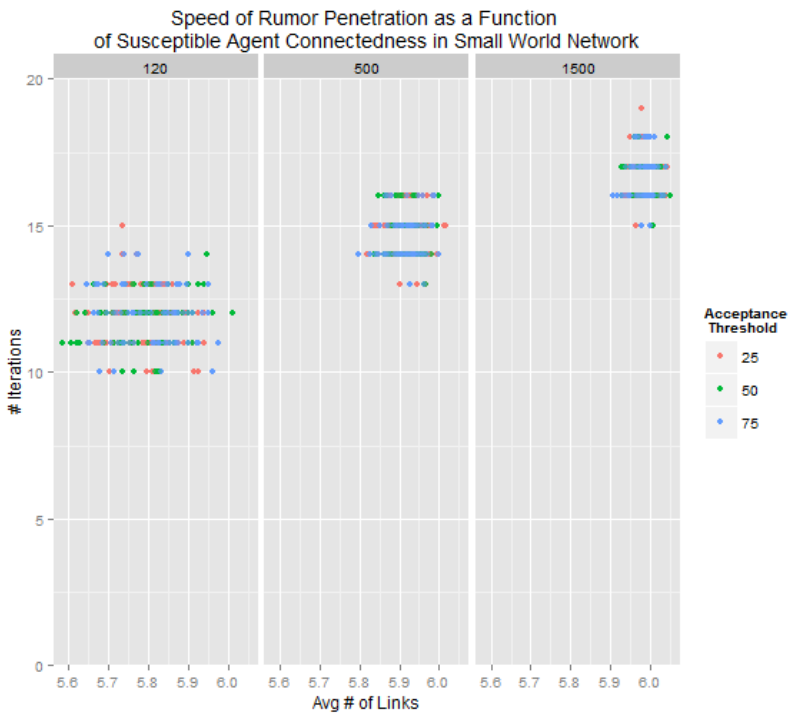
**Figure 2a: Proportion of Believers as a Function of Rejector Connectedness in a Scale-Free Network**



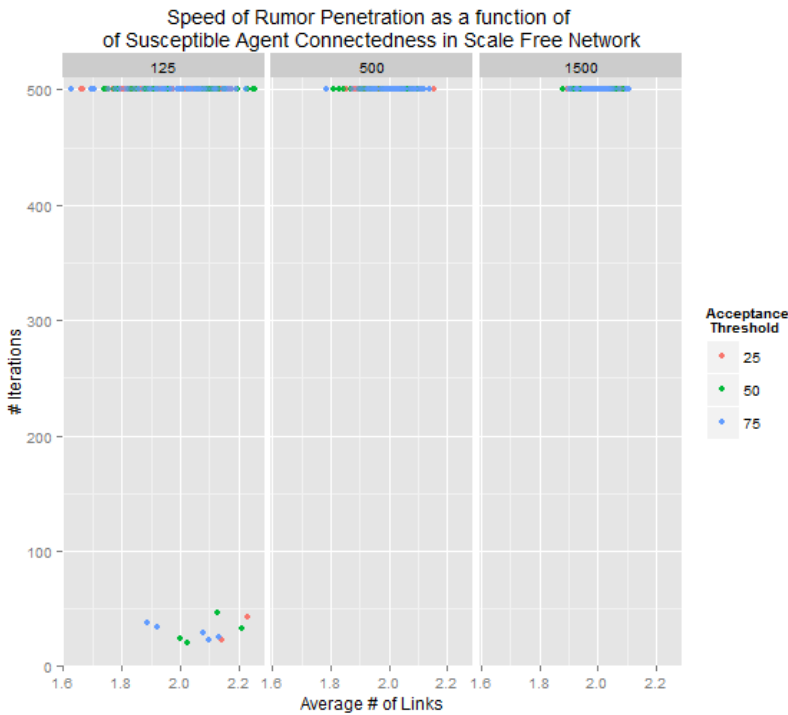
**Figure 2b: Proportion of Believers as a Function of Rejector Connectedness in a Small World Network**



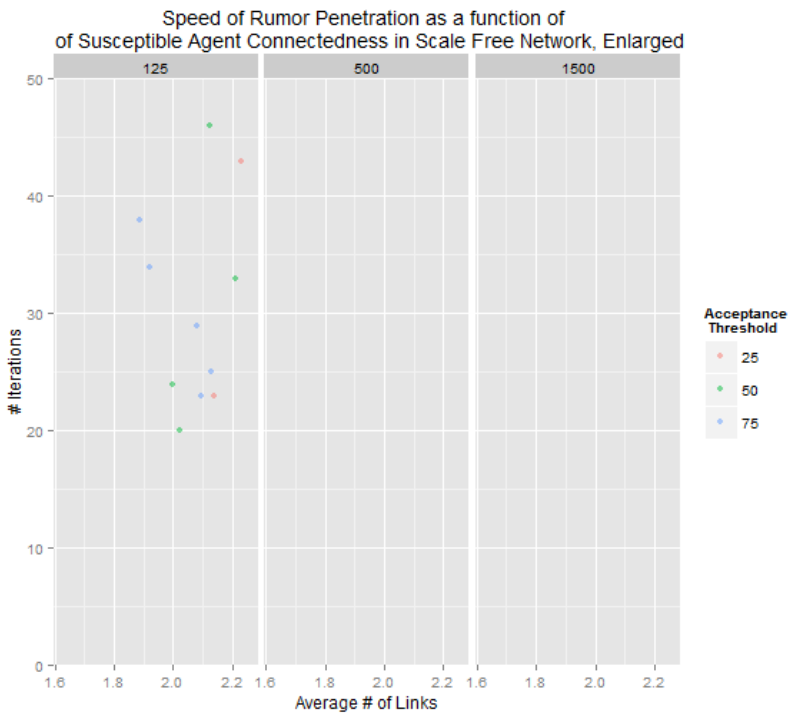
**Figure 3a: Speed of Rumor Penetration as a Function of Susceptible Agent Connectedness in a Small World Network**



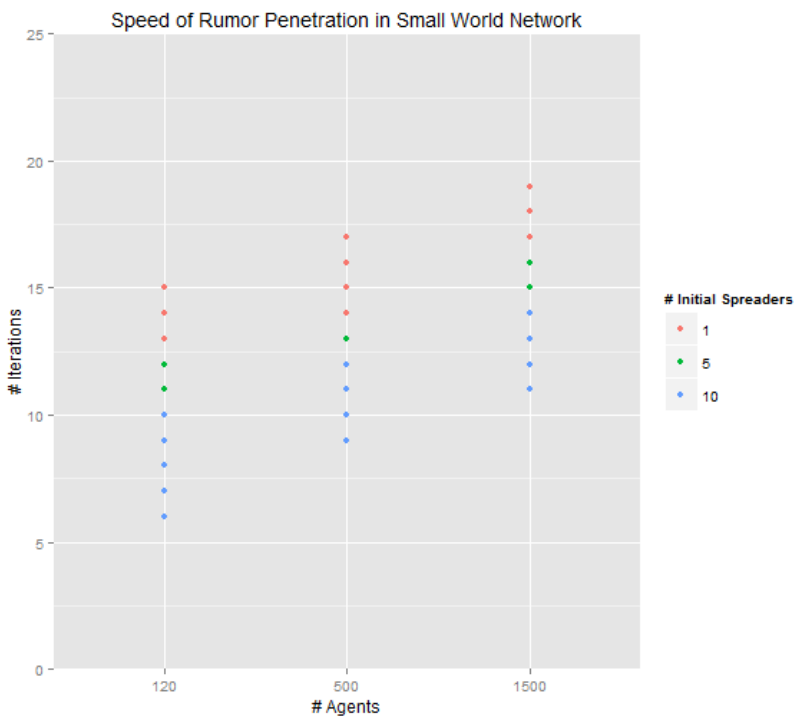
**Figure 3b: Speed of Rumor Penetration as a Function of Susceptible Agent Connectedness in a Scale-Free Network**



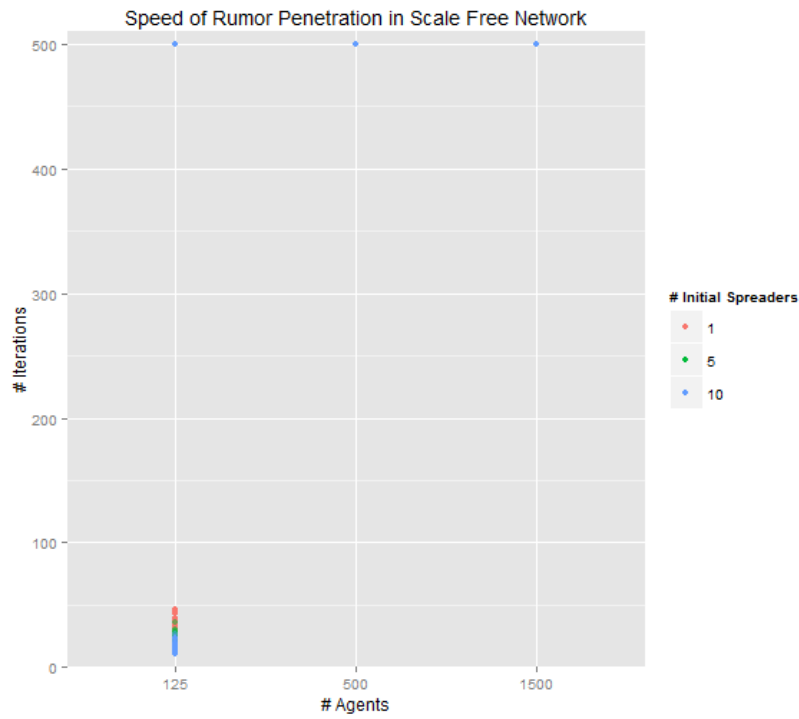
**Figure 3c: Speed of Rumor Penetration as a Function of Susceptible Agent Connectedness in a Scale-Free Network (Enlarged to show detail)**



**Figure 4a: Speed of Rumor Penetration in a Small World Network**



**Figure 4b: Speed of Rumor Penetration in a Scale-Free Network**



**Figure 4c: Speed of Rumor Penetration in a Scale-Free Network (Enlarged to show detail)**

