

# **Robustness Analyses for “An Empirical Evaluation of Seven Intertemporal Choice Models”**

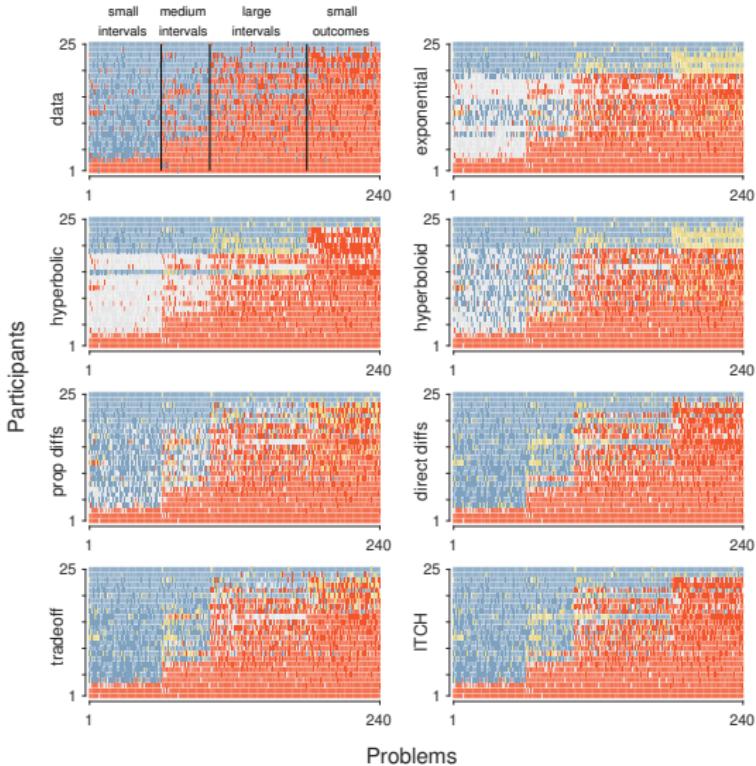
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Michael D. Lee

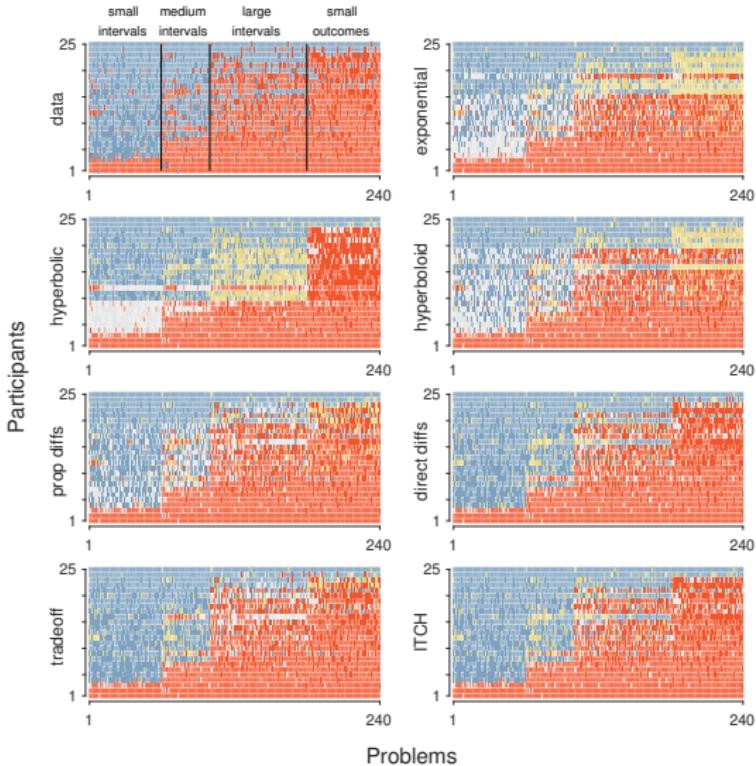
## **Descriptive Adequacy**

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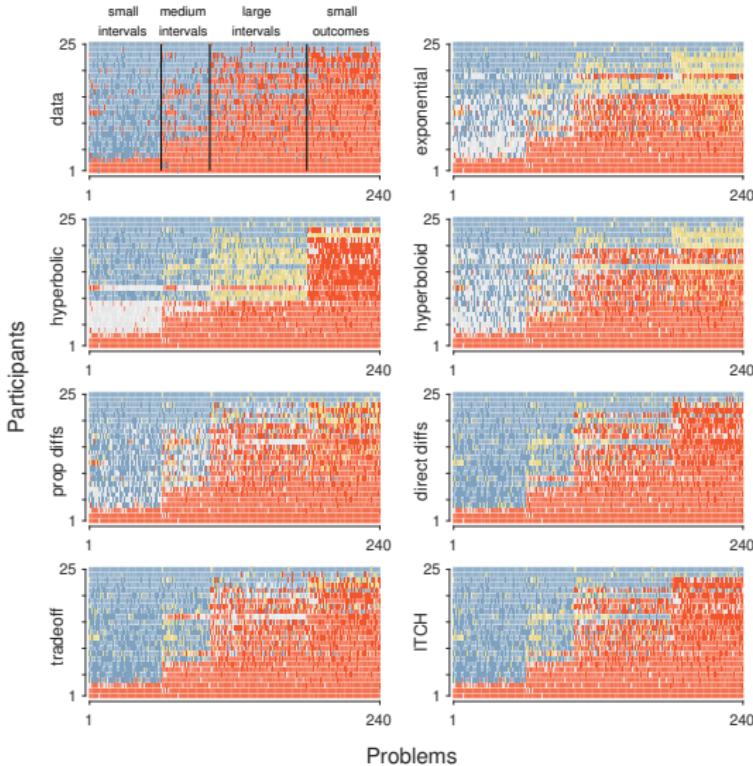
# Error-of-Execution ( $\sigma = 1$ )



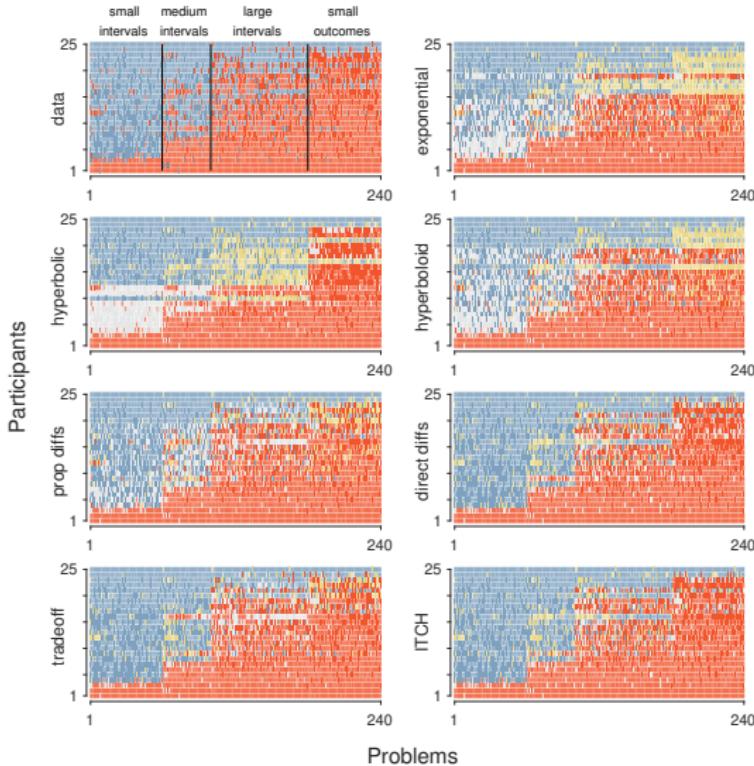
# Error-of-Execution ( $\sigma = 5$ )



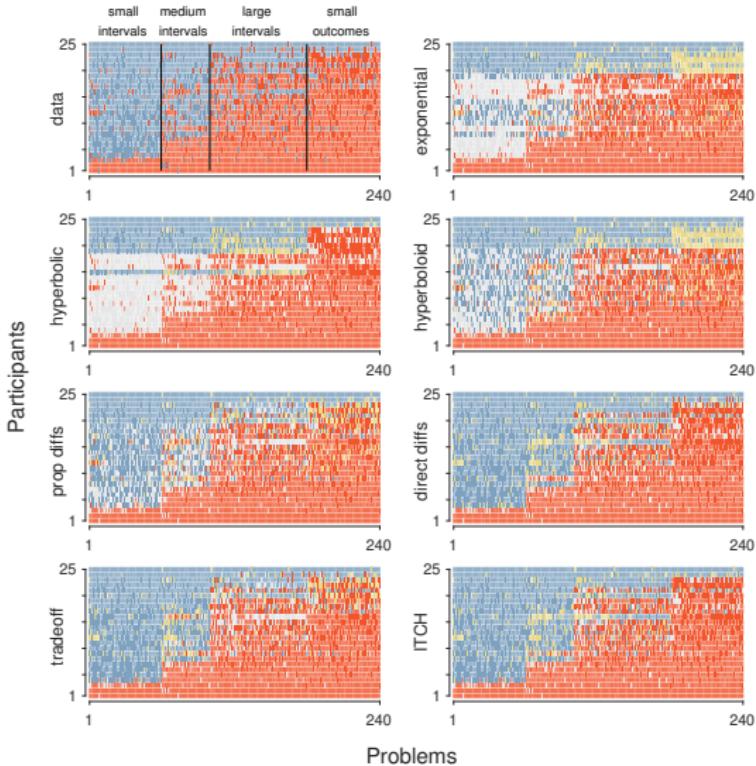
# Error-of-Execution ( $\sigma = 10$ )



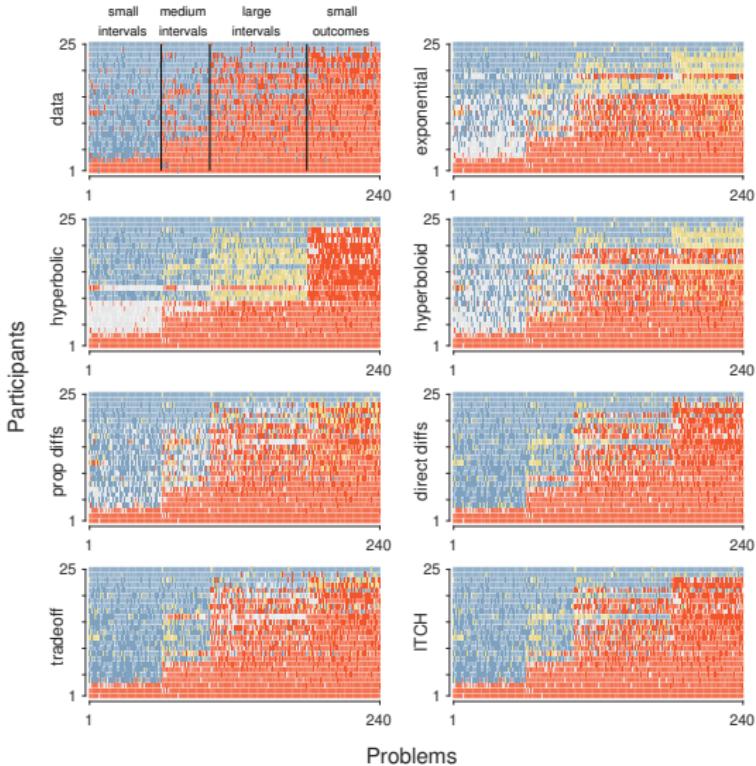
# Error-of-Execution ( $\sigma = 20$ )



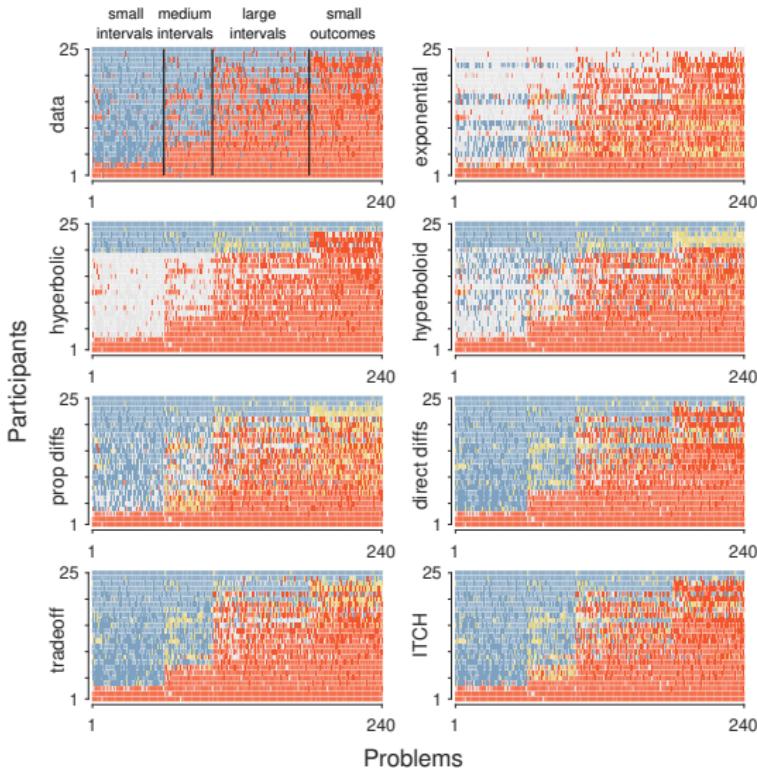
# Probit ( $\sigma = 1$ )



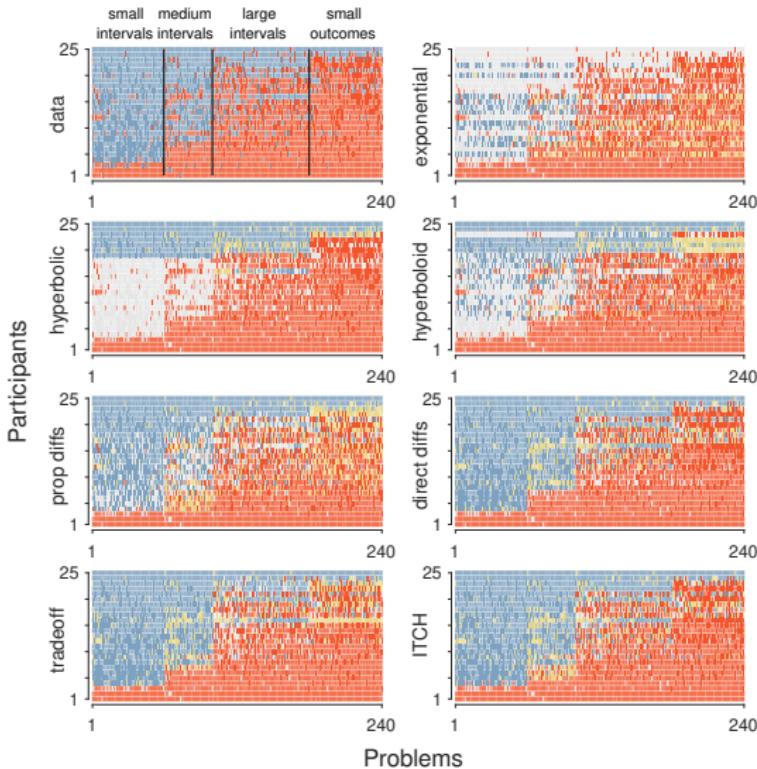
# Probit ( $\sigma = 5$ )



# Probit ( $\sigma = 10$ )



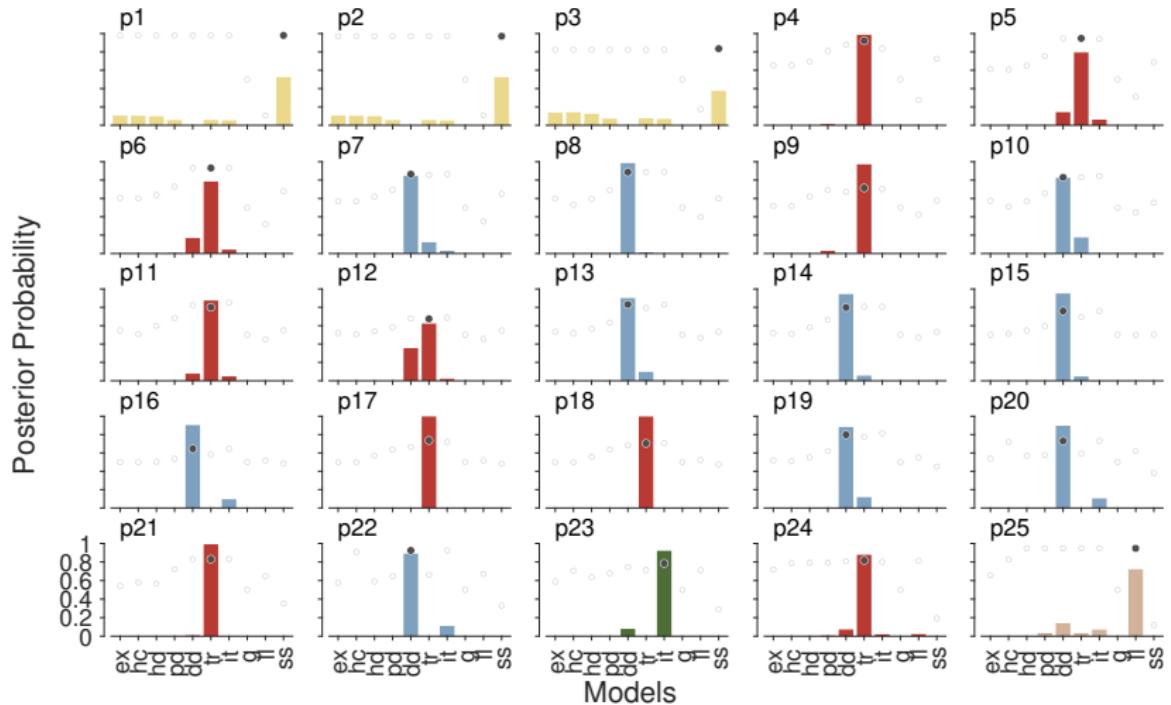
# Probit ( $\sigma = 20$ )



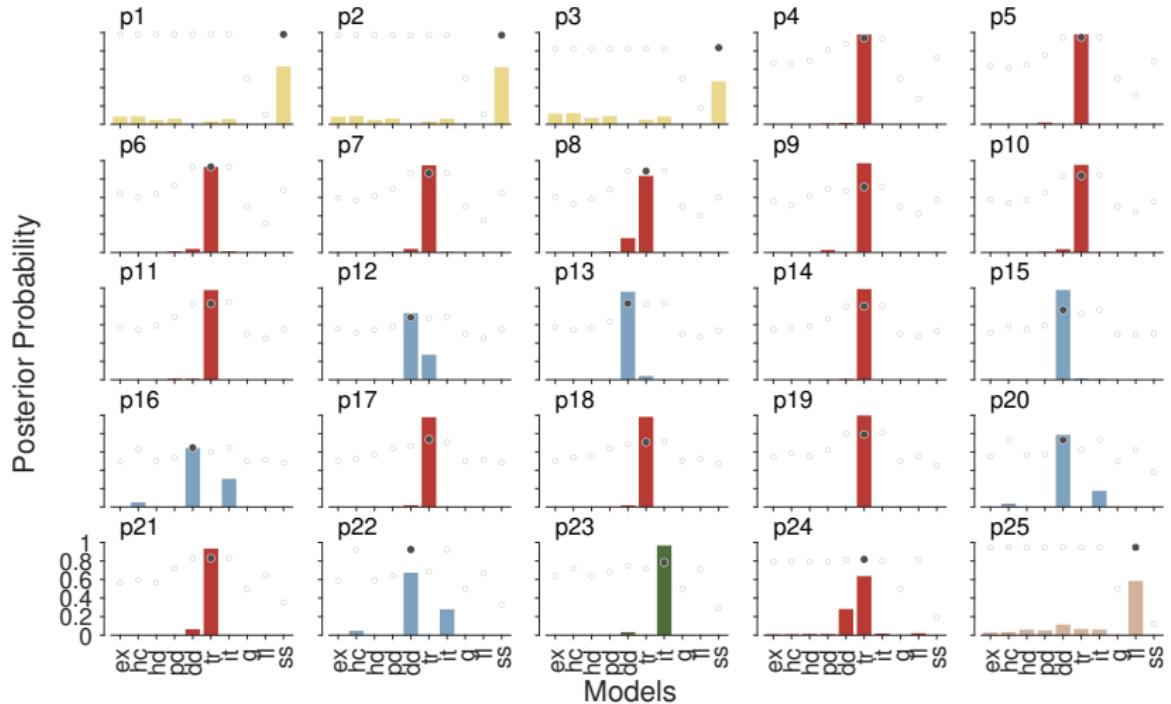
## Model Selection

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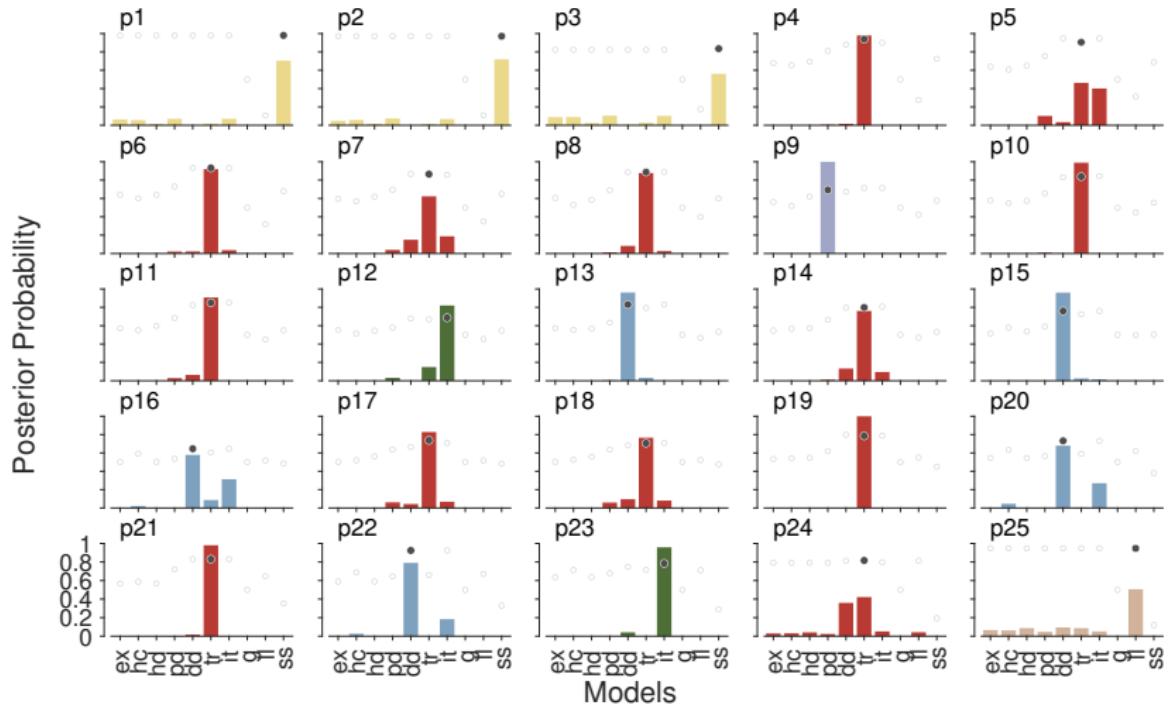
# Error-of-Execution ( $\sigma = 1$ )



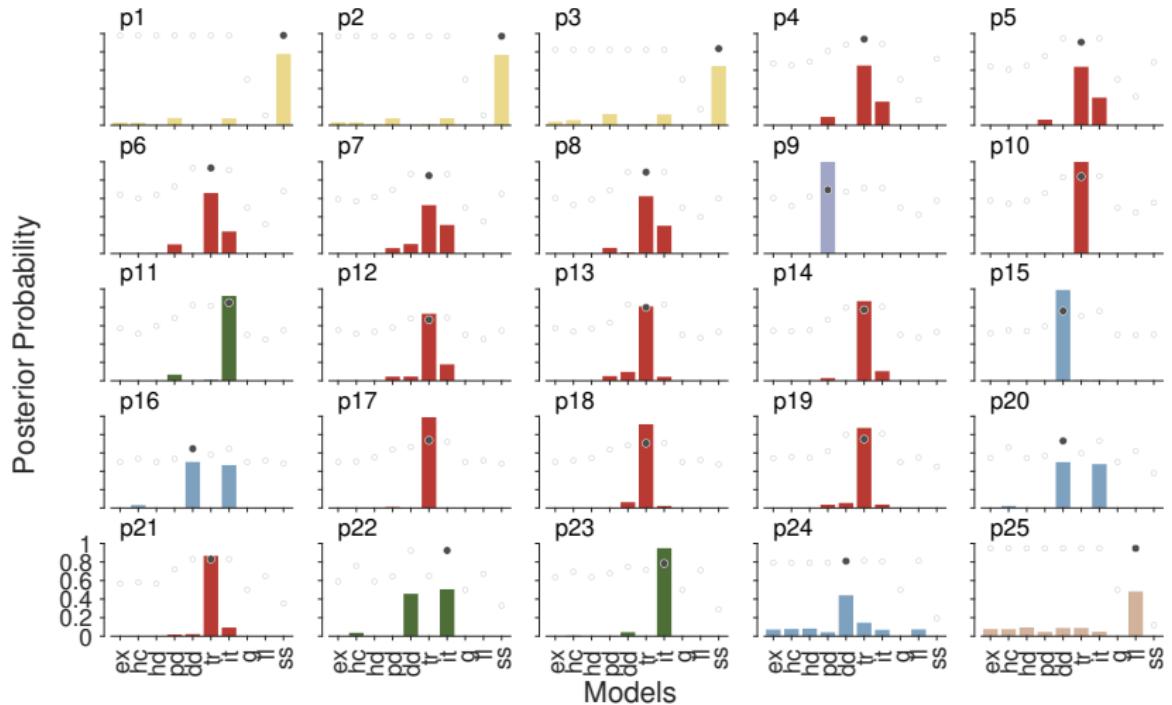
# Error-of-Execution ( $\sigma = 5$ )



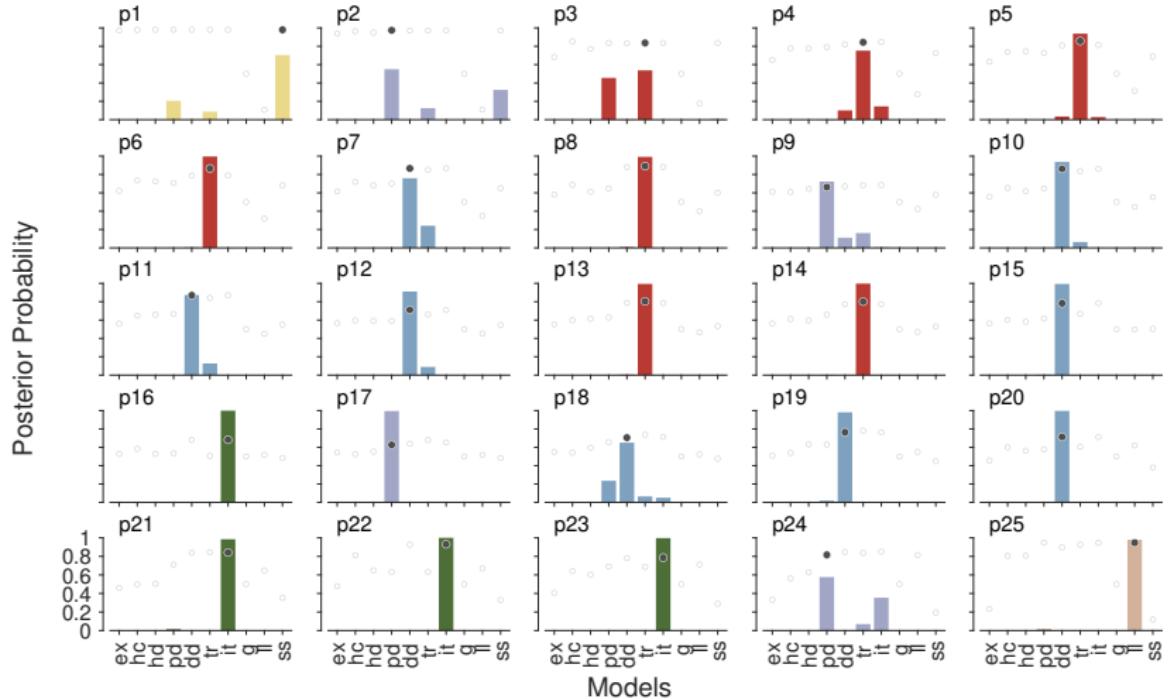
# Error-of-Execution ( $\sigma = 10$ )



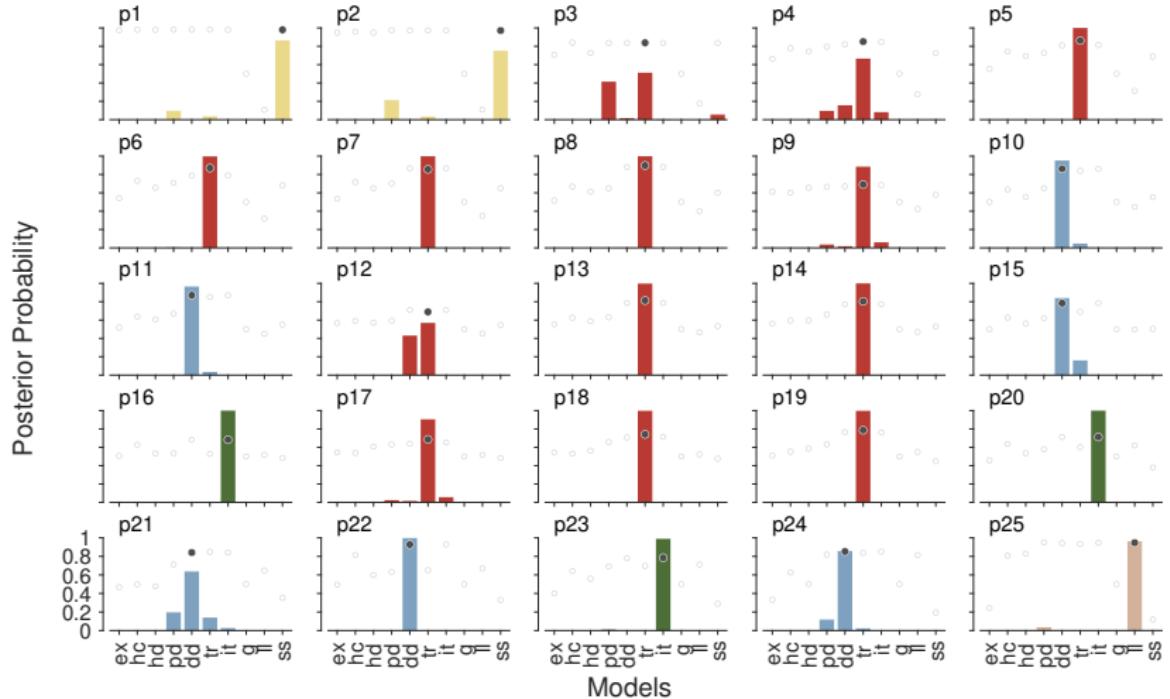
# Error-of-Execution ( $\sigma = 20$ )



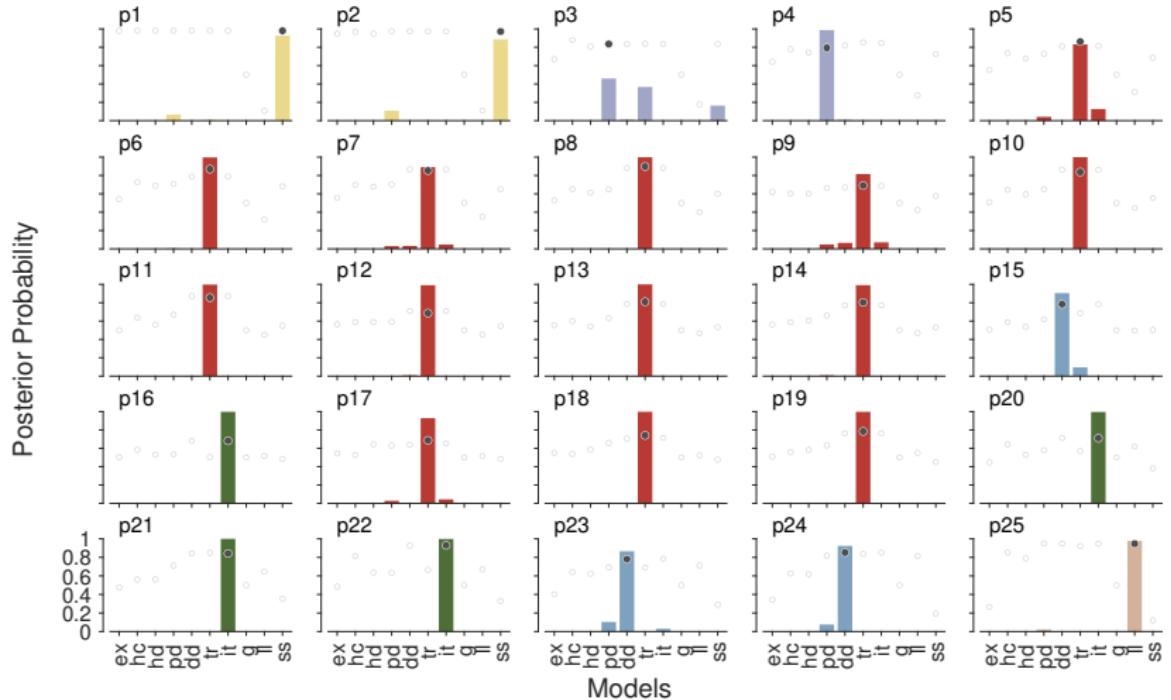
# Probit ( $\sigma = 1$ )



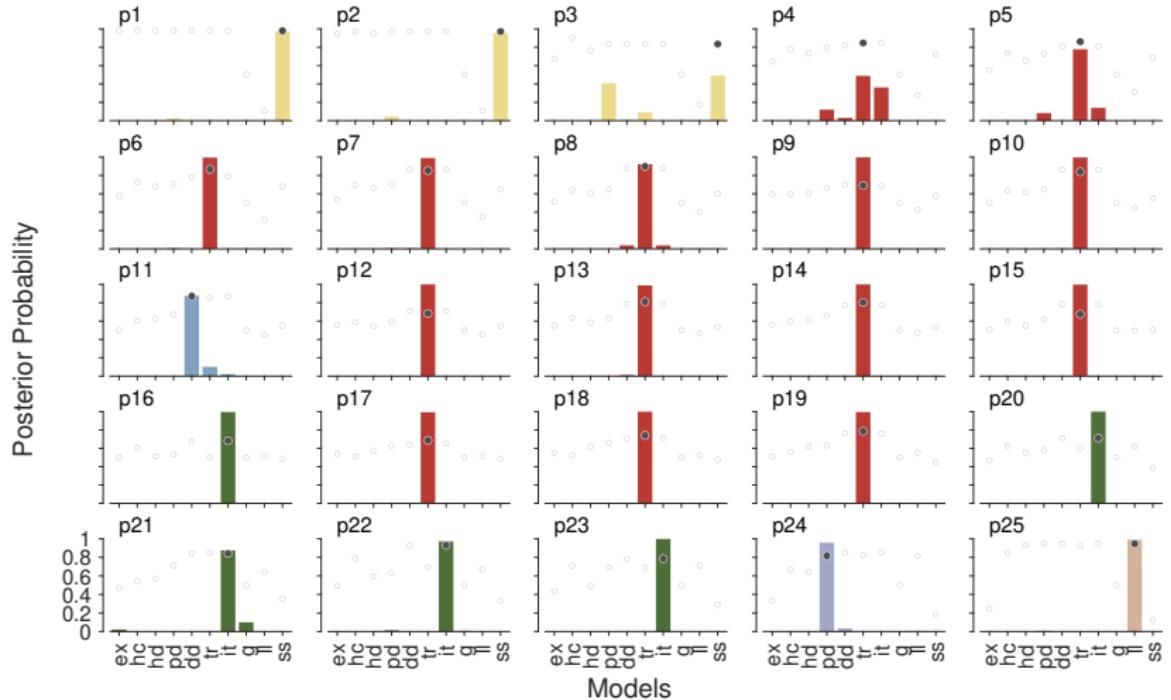
# Probit ( $\sigma = 5$ )



# Probit ( $\sigma = 10$ )



# Probit ( $\sigma = 20$ )



## Parameter Inferences

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# Error-of-Execution ( $\sigma = 1$ )

part	exponential		hyperbolic		hyperboloid		prop diffs		direct diffs		tradeoff		ITCH			I-I		S-S							
	$\kappa$	$\epsilon$	$\kappa$	$\epsilon$	$\kappa$	$\tau$	$\epsilon$	$\delta$	$\epsilon$	$\delta$	$\omega$	$\epsilon$	$\gamma$	$\tau$	$\kappa$	$\vartheta$	$\epsilon$	$\beta_{rr}$	$\beta_{tr}$	$\beta_{tt}$	$\beta_0$	$\epsilon$	$\alpha$		
1	1.54	0.01	1.56	0.01	1.52	1.75	0.01	0.75	0.01	0.55	0.003	0.01	2.02	1.21	2.29	0.98	0.01	-0.81	0.01	-0.02	-0.01	0.02	0.01	0.90	<b>0.99</b>
2	1.56	0.02	1.54	0.02	1.57	1.75	0.02	0.76	0.02	0.56	0.003	0.02	1.85	1.14	2.30	0.98	0.02	-0.80	0.01	-0.03	-0.01	-0.04	0.02	0.90	<b>0.98</b>
3	1.58	0.10	1.58	0.10	1.72	1.75	0.10	0.75	0.10	0.56	0.003	0.10	2.01	1.18	2.06	0.99	0.10	-0.81	0.01	-0.00	-0.02	0.01	0.10	0.90	<b>0.91</b>
4	1.53	0.22	1.53	0.22	1.63	0.24	0.19	-0.13	0.11	-0.86	0.003	0.07	<b>1.33</b>	<b>0.17</b>	<b>1.52</b>	<b>2.78</b>	<b>0.04</b>	-0.30	-0.02	-0.48	-0.60	0.84	0.10	0.90	
5	1.28	0.26	1.49	0.27	1.99	0.25	0.23	-0.13	0.14	-0.83	0.003	0.03	<b>1.59</b>	<b>0.06</b>	<b>2.29</b>	<b>3.32</b>	<b>0.03</b>	-0.01	-0.06	-1.01	-0.01	1.38	0.03	0.90	
6	1.45	0.27	1.70	0.28	2.08	0.29	0.24	-0.13	0.16	-0.88	0.003	0.04	<b>1.72</b>	<b>0.06</b>	<b>2.69</b>	<b>3.34</b>	<b>0.04</b>	-0.00	-0.06	-1.02	-0.00	1.46	0.04	0.90	
7	1.56	0.31	1.58	0.32	1.30	0.23	0.26	-0.14	0.19	<b>-0.80</b>	<b>0.003</b>	<b>0.07</b>	1.40	0.09	1.92	3.14	0.08	0.00	-0.03	-1.14	0.02	1.38	0.07	0.90	
8	0.24	0.28	1.98	0.38	1.07	0.35	0.29	-0.23	0.19	<b>-1.16</b>	<b>0.003</b>	<b>0.06</b>	1.54	0.04	1.62	4.10	0.06	0.00	-0.02	-1.21	0.02	1.42	0.06	0.90	
9	2.31	0.41	2.00	0.40	2.33	0.20	0.26	-0.33	0.19	-0.85	0.003	0.21	<b>1.72</b>	<b>0.24</b>	<b>1.41</b>	<b>2.93</b>	<b>0.17</b>	-0.04	-0.12	-0.74	-0.98	0.91	0.19	0.90	
10	0.12	0.31	1.58	0.43	1.59	0.21	0.31	-0.25	0.22	<b>-1.23</b>	<b>0.003</b>	<b>0.10</b>	1.95	0.04	1.73	4.15	0.09	0.00	-0.03	-1.21	0.58	1.00	0.09	0.90	
11	0.55	0.36	1.67	0.44	1.34	0.21	0.28	-0.33	0.20	-1.10	0.004	0.10	<b>3.10</b>	<b>0.15</b>	<b>0.69</b>	<b>3.26</b>	<b>0.11</b>	0.01	-0.08	-1.40	-0.42	1.29	0.08	0.90	
12	1.16	0.41	1.51	0.44	1.68	0.20	0.36	-0.27	0.30	-1.22	0.005	0.20	<b>1.11</b>	<b>0.05</b>	<b>1.00</b>	<b>3.72</b>	<b>0.21</b>	0.01	-0.05	-1.22	-0.48	1.33	0.20	0.90	
13	0.93	0.39	1.32	0.43	1.63	0.21	0.32	-0.31	0.24	<b>-1.26</b>	<b>0.005</b>	<b>0.10</b>	1.71	0.07	0.65	3.45	0.12	0.01	-0.01	-1.37	0.11	1.34	0.10	0.90	
14	1.05	0.41	1.44	0.44	1.93	0.21	0.30	-0.33	0.22	<b>-1.07</b>	<b>0.004</b>	<b>0.12</b>	0.91	0.05	1.08	3.50	0.11	0.00	-0.10	-1.13	-0.28	1.37	0.11	0.90	
15	1.47	0.47	1.54	0.45	1.29	0.21	0.35	-0.35	0.29	<b>-1.22</b>	<b>0.005</b>	<b>0.14</b>	2.70	0.07	1.62	4.04	0.19	0.01	-0.02	-1.32	0.10	1.41	0.14	0.90	
16	1.62	0.48	1.50	0.48	1.68	0.88	0.46	-0.25	0.37	<b>0.14</b>	<b>0.018</b>	<b>0.23</b>	1.79	0.12	2.11	3.29	0.30	0.03	-0.08	-1.36	-0.27	-0.15	0.23	0.90	
17	1.66	0.48	1.49	0.48	2.06	0.20	0.31	-0.33	0.24	-1.10	0.004	0.22	<b>1.69</b>	<b>0.08</b>	<b>1.22</b>	<b>3.74</b>	<b>0.16</b>	0.00	-0.13	-0.72	-0.50	1.35	0.17	0.90	
18	1.68	0.48	1.55	0.48	2.38	0.26	0.33	-0.40	0.24	-1.23	0.004	0.20	<b>3.45</b>	<b>0.22</b>	<b>1.68</b>	<b>3.88</b>	<b>0.18</b>	0.00	-0.05	-0.90	-0.72	1.43	0.18	0.90	
19	1.00	0.43	1.46	0.46	1.31	0.22	0.34	-0.33	0.26	<b>-1.23</b>	<b>0.005</b>	<b>0.12</b>	1.54	0.08	2.18	4.05	0.13	0.00	-0.17	-1.22	0.56	1.17	0.11	0.90	
20	0.26	0.37	0.08	0.18	0.35	0.25	0.33	-0.67	0.31	<b>0.18</b>	<b>0.019</b>	<b>0.16</b>	0.54	0.42	1.28	2.69	0.29	0.03	-0.04	-1.39	-0.25	-0.15	0.16	0.90	
21	0.59	0.38	0.47	0.33	0.42	0.15	0.32	-0.68	0.17	-3.05	0.002	0.10	<b>1.52</b>	<b>0.13</b>	<b>1.60</b>	<b>4.57</b>	<b>0.10</b>	-0.00	0.01	-0.45	0.14	1.76	0.09	0.90	
22	0.21	0.32	0.08	0.06	0.39	0.15	0.29	-0.66	0.23	<b>0.17</b>	<b>0.019</b>	<b>0.04</b>	1.18	1.16	0.89	2.33	0.22	0.03	-0.01	-1.42	-0.24	-0.17	0.04	0.90	
23	0.58	0.33	0.21	0.20	0.39	0.15	0.24	-0.69	0.20	-0.89	0.020	0.15	1.19	0.82	0.99	3.12	0.17	<b>0.03</b>	<b>-0.05</b>	<b>-0.93</b>	<b>-1.27</b>	<b>0.72</b>	<b>0.12</b>	0.90	
24	0.46	0.21	0.02	0.13	0.44	0.15	0.12	-1.30	0.12	-0.77	0.206	0.11	<b>1.63</b>	<b>0.49</b>	<b>2.74</b>	<b>4.35</b>	<b>0.10</b>	0.53	-0.06	-0.20	-0.11	0.47	0.11	0.91	
25	1.13	0.33	0.41	0.15	0.40	0.15	0.03	-1.30	0.03	-0.01	0.517	0.03	1.25	2.12	1.25	6.67	0.03	0.82	-0.01	0.02	0.00	-0.01	0.03	<b>0.97</b>	0.90

# Error-of-Execution ( $\sigma = 5$ )

part	exponential		hyperbolic		hyperboloid			prop diffs			direct diffs			tradeoff			ITCH			I-I	s-s				
	$\kappa$	$\epsilon$	$\kappa$	$\epsilon$	$\kappa$	$\tau$	$\epsilon$	$\delta$	$\epsilon$	$\delta$	$\omega$	$\epsilon$	$\gamma$	$\tau$	$\kappa$	$\vartheta$	$\epsilon$	$\beta_{ru}$	$\beta_{rr}$	$\beta_{tu}$	$\beta_{tr}$	$\beta_0$	$\epsilon$	$\alpha$	$\alpha$
1	9.84	0.01	9.40	0.01	2.25	159.50	0.01	4.01	0.01	4.42	0.005	0.01	45.94	5.95	25.27	0.36	0.01	-4.04	0.03	0.01	0.08	-0.08	0.01	0.90	<b>0.99</b>
2	6.25	0.02	18.29	0.02	2.03	59.11	0.02	3.89	0.02	4.35	0.005	0.02	54.78	5.36	34.81	0.49	0.02	-4.07	0.07	-0.05	-0.05	-0.03	0.02	0.90	<b>0.98</b>
3	10.08	0.10	21.14	0.10	26.19	68.71	0.10	3.95	0.10	4.36	0.005	0.10	26.96	2.98	31.39	0.39	0.10	-4.04	-0.13	-0.03	-0.02	0.03	0.10	0.90	<b>0.91</b>
4	29.40	0.21	6.35	0.22	12.46	19.39	0.19	-0.13	0.11	-0.98	0.002	0.07	<b>5.46</b>	<b>0.08</b>	<b>1.30</b>	<b>3.20</b>	<b>0.03</b>	-0.08	-0.16	-4.81	-4.18	5.93	0.04	0.90	0.90
5	7.75	0.24	21.30	0.27	9.42	0.86	0.23	-0.13	0.14	-0.96	0.002	0.03	<b>54.31</b>	<b>0.01</b>	<b>33.00</b>	<b>4.28</b>	<b>0.03</b>	0.00	-0.28	-5.45	0.01	7.08	0.03	0.90	0.90
6	25.45	0.24	11.49	0.28	67.92	0.94	0.24	-0.13	0.16	-0.98	0.002	0.04	<b>37.38</b>	<b>0.01</b>	<b>21.81</b>	<b>4.25</b>	<b>0.04</b>	-0.00	-0.17	-5.15	-0.05	7.17	0.04	0.90	0.90
7	25.29	0.28	37.18	0.31	21.00	50.60	0.26	-0.14	0.19	-0.97	0.002	0.07	<b>35.42</b>	<b>0.01</b>	<b>12.64</b>	<b>4.57</b>	<b>0.07</b>	0.00	-0.04	-5.22	0.11	6.90	0.07	0.90	0.90
8	12.46	0.27	31.89	0.38	3.44	0.28	0.30	-0.23	0.19	-1.63	0.002	0.06	<b>9.63</b>	<b>0.01</b>	<b>20.03</b>	<b>4.73</b>	<b>0.06</b>	0.01	-0.32	-5.20	0.14	7.36	0.06	0.90	0.90
9	66.51	0.34	33.54	0.40	73.52	0.20	0.26	-0.33	0.19	-1.01	0.002	0.21	<b>18.27</b>	<b>0.26</b>	<b>17.39</b>	<b>3.84</b>	<b>0.17</b>	0.02	-0.29	-4.35	-0.09	4.71	0.17	0.90	0.90
10	0.03	0.30	24.67	0.38	16.02	0.28	0.31	-0.27	0.22	-1.61	0.002	0.09	<b>11.40</b>	<b>0.01</b>	<b>3.40</b>	<b>3.83</b>	<b>0.09</b>	0.03	-0.20	-6.59	3.28	5.89	0.09	0.90	0.90
11	17.72	0.32	1.90	0.37	11.79	0.72	0.29	-0.33	0.20	-1.72	0.002	0.10	<b>14.55</b>	<b>0.11</b>	<b>0.54</b>	<b>3.54</b>	<b>0.10</b>	0.03	-0.42	-5.83	-2.26	6.94	0.08	0.90	0.90
12	17.63	0.34	7.75	0.43	27.83	3.00	0.36	-0.26	0.30	<b>-1.83</b>	<b>0.004</b>	<b>0.20</b>	9.33	0.02	47.02	3.89	0.21	0.02	-0.30	-4.44	-2.62	6.33	0.20	0.90	0.90
13	0.03	0.31	8.65	0.38	15.74	0.22	0.32	-0.33	0.24	<b>-1.86</b>	<b>0.003</b>	<b>0.10</b>	6.69	0.02	1.00	4.04	0.10	0.03	-0.23	-5.77	0.43	6.78	0.09	0.90	0.90
14	17.78	0.34	0.16	0.33	435.08	0.19	0.30	-0.33	0.21	-1.59	0.002	0.12	<b>4.65</b>	<b>0.01</b>	<b>2.91</b>	<b>3.98</b>	<b>0.11</b>	0.02	-0.58	-4.81	-1.80	7.46	0.11	0.90	0.90
15	0.44	0.43	0.13	0.32	221.41	0.29	0.35	-0.32	0.28	<b>-1.83</b>	<b>0.004</b>	<b>0.14</b>	8.33	0.03	0.32	3.37	0.17	0.03	-0.35	-6.25	0.35	6.77	0.14	0.90	0.90
16	3.58	0.47	0.22	0.26	1.59	7.57	0.46	-0.28	0.37	<b>1.24</b>	<b>0.024</b>	<b>0.23</b>	11.70	0.05	27.67	3.36	0.28	0.14	-0.14	-7.03	-1.31	-0.84	0.23	0.90	0.90
17	0.16	0.46	0.05	0.40	25.14	0.27	0.31	-0.33	0.24	-1.63	0.002	0.21	<b>20.00</b>	<b>0.05</b>	<b>2.32</b>	<b>3.92</b>	<b>0.16</b>	0.03	-0.22	-6.35	-2.28	5.57	0.18	0.90	0.90
18	0.33	0.47	0.03	0.35	62.10	0.22	0.33	-0.39	0.24	-1.75	0.003	0.20	<b>9.10</b>	<b>0.12</b>	<b>1.43</b>	<b>3.68</b>	<b>0.18</b>	0.01	-0.17	-2.95	-3.69	7.34	0.18	0.90	0.90
19	17.41	0.35	0.03	0.30	44.50	0.23	0.34	-0.33	0.26	-1.86	0.003	0.12	<b>24.64</b>	<b>0.04</b>	<b>0.33</b>	<b>3.42</b>	<b>0.12</b>	0.02	-0.48	-5.74	2.81	5.21	0.11	0.90	0.90
20	1329.42	0.35	0.03	0.17	0.70	0.22	0.33	-1.07	0.31	<b>1.06</b>	<b>0.023</b>	<b>0.16</b>	0.31	0.16	3.59	3.24	0.25	0.14	-0.17	-7.19	-1.26	-0.85	0.16	0.90	0.90
21	0.01	0.32	0.02	0.28	0.69	0.18	0.32	-0.68	0.17	-3.77	0.001	0.09	<b>16.91</b>	<b>0.03</b>	<b>2.95</b>	<b>5.91</b>	<b>0.10</b>	0.00	-0.27	-2.23	0.80	8.57	0.09	0.90	0.90
22	0.01	0.29	0.03	0.04	1.07	1.88	0.29	-0.65	0.23	<b>1.17</b>	<b>0.024</b>	<b>0.04</b>	1.37	0.71	2.74	2.74	0.20	0.14	-0.14	-7.01	-1.26	-0.84	0.04	0.90	0.90
23	0.01	0.24	0.03	0.17	6.18	0.11	0.24	-0.69	0.20	-2.15	0.014	0.15	1.92	1.15	1.09	2.83	0.17	<b>0.10</b>	<b>0.09</b>	<b>-3.94</b>	<b>-5.57</b>	<b>3.95</b>	<b>0.12</b>	0.90	0.90
24	0.01	0.12	0.01	0.12	1.20	0.14	0.12	-4.47	0.12	-3.94	0.070	0.11	<b>6.14</b>	<b>0.33</b>	<b>6.19</b>	<b>6.37</b>	<b>0.10</b>	2.30	-0.08	-1.85	-0.26	3.40	0.11	0.91	0.90
25	0.01	0.03	0.01	0.03	0.40	0.21	0.03	-4.49	0.03	-0.19	0.518	0.03	0.95	3.62	0.42	9.12	0.03	3.96	0.03	0.16	0.05	-0.03	0.03	<b>0.97</b>	0.90

# Error-of-Execution ( $\sigma = 10$ )

part	exponential			hyperbolic			hyperboloid			prop diffs			direct diffs			tradeoff			ITCH					I-I		S-S	
	$\kappa$	$\epsilon$	$\kappa$	$\kappa$	$\epsilon$	$\tau$	$\kappa$	$\epsilon$	$\tau$	$\delta$	$\epsilon$	$\omega$	$\epsilon$	$\gamma$	$\tau$	$\kappa$	$\vartheta$	$\epsilon$	$\beta_{ru}$	$\beta_{rr}$	$\beta_{tu}$	$\beta_{tr}$	$\beta_0$	$\epsilon$	$\alpha$	$\alpha$	
1	14.52	0.01	37.63	0.01	17.15	392.98	0.01	8.14	0.01	9.96	0.007	0.01	101.84	0.41	39.98	0.19	0.01	-8.20	0.25	-0.16	-0.04	-0.21	0.01	0.90	<b>0.99</b>		
2	7.29	0.02	33.43	0.02	12.90	95.29	0.02	7.89	0.02	9.98	0.007	0.02	640.00	0.38	74.34	0.11	0.02	-8.05	0.19	-0.01	-0.11	0.00	0.02	0.90	<b>0.98</b>		
3	10.85	0.10	4.69	0.10	4.91	127.53	0.10	7.92	0.10	9.78	0.007	0.10	375.84	0.58	70.97	0.33	0.10	-8.13	-0.30	-0.11	-0.04	0.07	0.10	0.90	<b>0.91</b>		
4	60.17	0.20	61.51	0.22	156.98	0.24	0.19	-0.13	0.11	-1.04	0.002	0.07	<b>18.21</b>	<b>0.07</b>	<b>2.53</b>	<b>3.44</b>	<b>0.03</b>	-1.14	0.15	-8.35	-7.63	11.15	0.06	0.90	0.90		
5	10.29	0.24	16.05	0.27	5.16	71.40	0.23	-0.13	0.14	-0.99	0.002	0.03	<b>53.71</b>	<b>0.01</b>	<b>318.58</b>	<b>3.95</b>	<b>0.06</b>	0.00	-0.33	-10.78	0.19	13.80	0.03	0.90	0.90		
6	12.39	0.24	17.33	0.28	363.17	1.04	0.24	-0.13	0.16	-1.02	0.002	0.04	<b>31.72</b>	<b>0.00</b>	<b>128.15</b>	<b>3.82</b>	<b>0.04</b>	-0.02	-0.25	-10.72	-0.09	14.12	0.04	0.90	0.90		
7	12.74	0.28	30.52	0.31	6.88	109.94	0.26	-0.13	0.19	-0.96	0.002	0.07	<b>91.76</b>	<b>0.01</b>	<b>38.59</b>	<b>4.47</b>	<b>0.07</b>	-0.19	-0.11	-10.98	0.13	13.85	0.08	0.90	0.90		
8	12.57	0.27	18.24	0.38	114.21	0.27	0.29	-0.23	0.19	-1.71	0.002	0.06	<b>23.49</b>	<b>0.00</b>	<b>1.75</b>	<b>4.76</b>	<b>0.06</b>	0.04	-0.65	-12.04	0.33	13.06	0.06	0.90	0.90		
9	61.31	0.34	27.15	0.40	129.94	0.21	0.26	<b>-0.33</b>	<b>0.19</b>	-1.01	0.002	0.21	47.32	0.22	14.15	3.27	0.17	0.05	-0.89	-9.49	-11.05	10.36	0.17	0.90	0.90		
10	0.03	0.30	7.11	0.35	18.82	0.72	0.31	-0.26	0.22	-1.65	0.002	0.10	<b>8.98</b>	<b>0.00</b>	<b>1.59</b>	<b>3.98</b>	<b>0.09</b>	0.04	0.41	-12.00	6.25	11.15	0.09	0.90	0.90		
11	35.60	0.31	2.35	0.35	27.27	0.22	0.28	-0.33	0.20	-1.64	0.002	0.10	<b>1.08</b>	<b>0.02</b>	<b>10.24</b>	<b>4.12</b>	<b>0.08</b>	0.03	-0.54	-8.23	-4.83	15.50	0.08	0.90	0.90		
12	17.88	0.34	78.40	0.43	4.99	6.43	0.35	-0.28	0.30	-1.84	0.004	0.20	16.21	0.01	27.36	3.78	0.21	<b>0.05</b>	<b>-0.19</b>	<b>-10.26</b>	<b>-5.55</b>	<b>13.38</b>	<b>0.20</b>	0.90	0.90		
13	17.70	0.31	1.62	0.35	8.68	0.59	0.32	-0.32	0.24	<b>-1.82</b>	<b>0.004</b>	<b>0.10</b>	5.20	0.05	0.52	3.32	0.12	0.05	-0.77	-10.11	0.52	12.84	0.10	0.90	0.90		
14	0.03	0.35	0.20	0.32	13.00	2.34	0.31	-0.33	0.21	-1.69	0.002	0.12	<b>11.55</b>	<b>0.00</b>	<b>4.07</b>	<b>4.50</b>	<b>0.12</b>	0.05	-1.85	-11.57	-2.44	10.87	0.11	0.90	0.90		
15	21.56	0.43	0.21	0.33	41.73	0.17	0.37	-0.37	0.29	<b>-1.85</b>	<b>0.003</b>	<b>0.14</b>	3.67	0.02	0.20	3.70	0.17	0.05	-0.50	-10.93	0.61	13.06	0.14	0.90	0.90		
16	0.02	0.47	0.02	0.32	0.87	0.39	0.46	-0.29	0.37	<b>1.48</b>	<b>0.025</b>	<b>0.23</b>	27.59	0.02	68.50	3.56	0.28	0.27	-0.21	-14.24	-2.31	-1.46	0.23	0.90	0.90		
17	0.02	0.46	0.02	0.41	268.09	0.16	0.33	-0.33	0.24	-1.68	0.002	0.22	<b>9.26</b>	<b>0.06</b>	<b>2.71</b>	<b>3.90</b>	<b>0.16</b>	0.05	-0.07	-10.71	-4.30	11.25	0.18	0.90	0.90		
18	0.07	0.46	0.02	0.40	63.98	0.26	0.33	-0.40	0.24	-1.79	0.003	0.20	<b>18.62</b>	<b>0.11</b>	<b>1.75</b>	<b>4.00</b>	<b>0.18</b>	0.03	-0.71	-7.07	-6.45	13.24	0.18	0.90	0.90		
19	0.02	0.38	0.01	0.38	683.97	0.20	0.35	-0.33	0.26	-1.91	0.003	0.12	<b>3.95</b>	<b>0.06</b>	<b>2.56</b>	<b>4.17</b>	<b>0.12</b>	0.04	-1.41	-9.82	5.40	9.40	0.12	0.90	0.90		
20	0.00	0.35	0.02	0.26	0.64	0.12	0.35	-3.45	0.32	<b>1.20</b>	<b>0.024</b>	<b>0.16</b>	1.93	0.57	1.58	3.12	0.29	0.27	-0.41	-13.80	-2.49	-1.85	0.16	0.90	0.90		
21	0.00	0.32	0.02	0.29	6.19	0.48	0.32	-0.68	0.17	-3.84	0.001	0.09	<b>9.32</b>	<b>0.01</b>	<b>3.25</b>	<b>6.19</b>	<b>0.10</b>	-0.00	-0.53	-4.43	1.17	17.51	0.09	0.90	0.90		
22	0.00	0.29	0.01	0.22	0.56	0.21	0.29	-0.66	0.23	<b>1.30</b>	<b>0.024</b>	<b>0.04</b>	2.43	0.92	0.83	2.52	0.22	0.27	-0.12	-14.10	-2.51	-1.55	0.04	0.90	0.90		
23	0.00	0.24	0.02	0.18	5.24	0.03	0.24	-0.91	0.20	-2.44	0.013	0.15	0.97	0.85	0.88	2.80	0.17	<b>0.24</b>	<b>-0.18</b>	<b>-7.88</b>	<b>-12.72</b>	<b>5.47</b>	<b>0.12</b>	0.90	0.90		
24	0.00	0.12	0.00	0.12	0.54	0.11	0.12	-8.30	0.12	-4.20	0.104	0.11	<b>34.84</b>	<b>0.01</b>	<b>2.37</b>	<b>8.82</b>	<b>0.10</b>	6.39	-0.47	-1.21	-0.58	3.47	0.12	0.91	0.90		
25	0.00	0.03	0.00	0.03	0.56	0.13	0.03	-8.36	0.03	-0.31	0.520	0.03	0.72	3.38	0.66	179.05	0.03	7.91	-0.06	0.26	0.09	-0.02	0.03	<b>0.97</b>	0.90		

# Error-of-Execution ( $\sigma = 20$ )

part	exponential		hyperbolic		hyperboloid			prop diffs			direct diffs			tradeoff			ITCH			l-l		s-s			
	$\kappa$	$\epsilon$	$\kappa$	$\epsilon$	$\kappa$	$\tau$	$\epsilon$	$\delta$	$\epsilon$	$\delta$	$\omega$	$\epsilon$	$\gamma$	$\tau$	$\kappa$	$\vartheta$	$\epsilon$	$\beta_{\text{ru}}$	$\beta_{\text{rr}}$	$\beta_{\text{ta}}$	$\beta_{\text{tr}}$	$\beta_0$	$\epsilon$	$\alpha$	$\alpha$
1	15.44	0.01	21.22	0.01	12.78	234.00	0.01	15.92	0.01	21.78	0.01	0.01	253.45	0.18	111.32	0.03	0.01	-16.05	0.19	-0.62	0.04	0.16	0.01	0.90	<b>0.99</b>
2	6.95	0.02	68.08	0.02	1.28	3385.31	0.02	15.65	0.02	21.50	0.01	0.02	49.88	0.14	2341.77	0.08	0.02	-16.15	-0.32	-0.12	0.03	-0.17	0.02	0.90	<b>0.98</b>
3	9.80	0.10	18.04	0.10	8.77	172.70	0.10	15.99	0.10	21.30	0.11	0.10	185.20	0.19	46.48	0.06	0.10	-15.72	-0.38	-0.25	-0.05	-0.60	0.10	0.90	<b>0.91</b>
4	50.92	0.21	21.30	0.22	11.26	559.87	0.19	-0.13	0.11	-1.00	0.002	0.07	<b>32.27</b>	<b>0.07</b>	<b>1.89</b>	<b>3.18</b>	<b>0.03</b>	-2.94	0.45	-15.10	-11.17	14.69	0.07	0.90	0.90
5	23.57	0.24	52.91	0.27	23.92	42.18	0.23	-0.13	0.14	-1.02	0.002	0.03	<b>416.29</b>	<b>0.44</b>	<b>46.38</b>	<b>3.64</b>	<b>0.05</b>	0.01	-0.98	-22.40	0.68	28.54	0.03	0.90	0.90
6	0.03	0.24	17.13	0.28	5.72	25.40	0.24	-0.13	0.16	-1.00	0.002	0.04	<b>37.76</b>	<b>0.00</b>	<b>9.35</b>	<b>4.21</b>	<b>0.04</b>	-1.15	-0.72	-18.20	-0.43	27.35	0.05	0.90	0.90
7	12.90	0.29	17.58	0.31	26.88	1.96	0.26	-0.14	0.19	-1.00	0.002	0.07	<b>8.27</b>	<b>0.00</b>	<b>58.29</b>	<b>3.57</b>	<b>0.08</b>	0.00	-0.56	-21.15	0.56	27.51	0.07	0.90	0.90
8	10.47	0.27	10.84	0.38	28.50	0.83	0.29	-0.23	0.19	-1.61	0.002	0.06	<b>36.03</b>	<b>0.00</b>	<b>27.91</b>	<b>4.84</b>	<b>0.06</b>	0.06	-1.44	-20.71	0.58	28.07	0.06	0.90	0.90
9	124.15	0.28	20.59	0.41	7.19	107.97	0.26	<b>-0.33</b>	<b>0.19</b>	-1.01	0.002	0.21	18.25	0.17	1.08	4.11	0.18	0.08	-0.09	-15.30	-20.23	18.65	0.17	0.90	0.90
10	17.83	0.30	1.60	0.36	48.01	9.06	0.31	-0.24	0.22	-1.71	0.002	0.10	<b>11.30</b>	<b>0.00</b>	<b>3.42</b>	<b>3.65</b>	<b>0.09</b>	0.10	-0.11	-26.38	13.49	21.89	0.09	0.90	0.90
11	35.70	0.31	15.09	0.43	17.30	0.23	0.28	-0.33	0.20	-1.66	0.002	0.10	69.38	0.12	0.99	3.84	0.10	<b>0.10</b>	<b>-6.77</b>	<b>-21.68</b>	<b>-7.69</b>	<b>25.40</b>	<b>0.08</b>	0.90	0.90
12	17.02	0.34	4.01	0.43	448.39	0.18	0.38	-0.28	0.30	-1.88	0.003	0.20	<b>59.65</b>	<b>0.00</b>	<b>124.55</b>	<b>4.55</b>	<b>0.21</b>	0.11	-1.15	-21.62	-9.79	24.76	0.19	0.90	0.90
13	0.03	0.31	4.63	0.39	37.09	1.25	0.32	-0.33	0.24	-1.89	0.003	0.09	<b>4.85</b>	<b>0.05</b>	0.33	4.12	0.12	0.11	-0.09	-23.35	1.55	25.80	0.10	0.90	0.90
14	17.80	0.36	2.79	0.38	123.48	0.13	0.37	-0.33	0.22	-1.58	0.002	0.12	<b>56.62</b>	<b>0.02</b>	<b>3.82</b>	<b>4.13</b>	<b>0.14</b>	0.13	-0.43	-27.64	-4.91	27.47	0.11	0.90	0.90
15	53.50	0.43	0.13	0.38	22.34	0.29	0.36	-0.35	0.28	<b>-1.89</b>	<b>0.003</b>	<b>0.14</b>	3.46	0.05	0.81	3.88	0.18	0.12	-0.54	-24.96	1.15	26.45	0.14	0.90	0.90
16	0.01	0.47	0.01	0.41	0.24	0.35	0.47	1.07	0.37	<b>1.45</b>	<b>0.025</b>	<b>0.23</b>	685.47	0.01	9.10	3.57	0.31	0.55	-1.49	-28.36	-4.56	-3.25	0.23	0.90	0.90
17	0.00	0.47	0.03	0.45	49.58	0.16	0.35	-0.33	0.24	-1.64	0.002	0.21	<b>5.55</b>	<b>0.05</b>	<b>1.02</b>	<b>3.96</b>	<b>0.16</b>	0.05	-2.44	-15.37	-10.93	28.13	0.17	0.90	0.90
18	0.00	0.46	0.11	0.42	56.44	3.62	0.36	-0.40	0.24	-1.80	0.003	0.20	<b>3.78</b>	<b>0.13</b>	<b>2.76</b>	<b>3.80</b>	<b>0.18</b>	0.06	0.59	-14.55	-15.13	31.74	0.18	0.90	0.90
19	18.13	0.36	0.02	0.35	136.93	0.18	0.35	-0.33	0.26	-1.87	0.003	0.11	<b>8.61</b>	<b>0.06</b>	<b>0.28</b>	<b>3.18</b>	<b>0.16</b>	0.11	-0.51	-26.93	12.59	21.42	0.11	0.90	0.90
20	9623.59	0.35	0.02	0.23	0.79	0.05	0.35	-0.57	0.32	<b>1.28</b>	<b>0.024</b>	<b>0.16</b>	1.41	0.53	8.12	2.28	0.28	0.54	-0.90	-27.96	-4.52	-3.61	0.16	0.90	0.90
21	0.00	0.32	0.01	0.30	0.05	0.12	0.32	-0.68	0.17	-3.87	0.001	0.10	<b>137.36</b>	<b>0.00</b>	<b>6.46</b>	<b>6.36</b>	<b>0.09</b>	-0.00	0.16	-9.29	2.62	36.32	0.09	0.90	0.90
22	0.00	0.29	0.02	0.16	0.04	0.06	0.29	-0.66	0.23	1.29	0.024	0.04	1.17	0.83	2.83	3.22	0.23	<b>0.56</b>	<b>-0.64</b>	<b>-28.76</b>	<b>-5.56</b>	<b>-3.39</b>	<b>0.04</b>	0.90	0.90
23	0.00	0.24	0.02	0.19	0.57	0.02	0.24	-0.96	0.20	-2.34	0.013	0.15	1.33	0.97	0.67	2.54	0.17	<b>0.46</b>	<b>-0.94</b>	<b>-17.05</b>	<b>-24.83</b>	<b>15.79</b>	<b>0.12</b>	0.90	0.90
24	0.00	0.12	0.00	0.12	0.05	0.05	0.12	-16.79	0.12	<b>-4.07</b>	<b>0.173</b>	<b>0.11</b>	12.12	1.11	15.95	4.91	0.10	7.55	-0.60	-7.19	-1.15	16.45	0.11	0.91	0.90
25	0.00	0.03	0.00	0.03	0.00	0.06	0.03	-16.46	0.03	-1.94	0.537	0.03	0.32	0.03	0.07	0.26	0.03	15.94	-0.17	0.64	0.06	-0.21	0.03	<b>0.97</b>	0.90

# Probit ( $\sigma = 1$ )

part	exponential		hyperbolic		hyperboloid		prop diffs		direct diffs			tradeoff			ITCH				I-H	s-s					
	$\kappa$	$\sigma$	$\kappa$	$\sigma$	$\kappa$	$\tau$	$\sigma$	$\delta$	$\sigma$	$\delta$	$\omega$	$\sigma$	$\gamma$	$\tau$	$\kappa$	$\vartheta$	$\sigma$	$\beta_{ra}$	$\beta_{rr}$	$\beta_{ta}$	$\beta_{tr}$	$\beta_0$	$\sigma$	$\alpha$	$\alpha$
1	0.74	7.97	1.81	2.44	1.68	2.09	2.94	1.22	0.65	1.14	0.004	0.86	1.80	1.03	2.58	0.43	0.73	0.00	-0.00	-0.97	-0.13	-1.17	1.17	0.90	<b>0.99</b>
2	0.97	4.01	0.30	0.74	2.26	2.83	2.72	<b>0.90</b>	<b>0.54</b>	1.32	0.005	0.92	1.71	1.45	2.81	0.53	0.63	0.01	-0.03	-0.95	-1.21	-1.04	0.74	0.90	0.98
3	4.51	1.74	1.02	0.60	10.14	4.58	13.61	0.46	0.63	1.25	0.004	2.06	<b>1.84</b>	<b>0.66</b>	<b>1.98</b>	<b>0.71</b>	<b>1.02</b>	0.00	-0.01	-0.59	-0.73	-0.92	1.50	0.90	0.91
4	6.04	1.74	0.03	0.20	4.90	1.15	2.27	-0.19	0.17	-0.81	0.003	0.67	<b>0.15</b>	<b>0.06</b>	<b>0.99</b>	<b>1.76</b>	<b>0.10</b>	0.01	0.02	-1.30	-1.21	0.93	0.60	0.90	0.90
5	4.98	0.78	0.83	2.69	1.47	0.67	1.28	-0.21	0.24	-0.73	0.004	0.61	<b>0.08</b>	<b>0.03</b>	<b>1.63</b>	<b>1.83</b>	<b>0.15</b>	0.01	0.01	-1.51	-0.57	1.05	0.81	0.90	0.90
6	5.04	0.76	0.05	0.21	9.07	0.32	2.34	-0.20	0.27	-0.65	0.004	0.67	<b>0.09</b>	<b>0.03</b>	<b>1.50</b>	<b>1.85</b>	<b>0.12</b>	0.01	-0.03	-1.77	-0.51	1.00	0.97	0.90	0.90
7	5.20	0.65	0.21	0.81	4.15	1.80	2.13	-0.25	0.25	<b>-1.21</b>	<b>0.003</b>	<b>0.42</b>	0.10	0.03	1.17	2.05	0.11	0.01	0.00	-1.44	-0.24	1.36	0.46	0.90	0.90
8	5.88	0.35	0.07	0.22	4.35	3.35	2.00	-0.30	0.31	-1.31	0.003	0.41	<b>0.17</b>	<b>0.01</b>	<b>1.18</b>	<b>2.81</b>	<b>0.10</b>	0.01	-0.01	-1.48	0.36	1.37	0.44	0.90	0.90
9	2.94	1.55	0.03	0.92	5.60	1.03	2.51	<b>-0.33</b>	<b>0.28</b>	-2.11	0.001	2.31	0.17	0.07	0.85	2.01	0.20	0.00	0.01	-0.35	-0.93	1.41	1.25	0.90	0.90
10	6.50	0.65	0.11	0.23	10.79	1.33	2.22	-0.36	0.29	<b>-1.05</b>	<b>0.004</b>	<b>0.42</b>	0.07	0.02	1.86	2.14	0.18	0.01	-0.00	-1.45	0.03	1.38	0.56	0.90	0.90
11	6.36	0.69	0.46	1.77	8.04	0.30	1.88	-0.37	0.26	<b>-1.06</b>	<b>0.004</b>	<b>0.38</b>	0.14	0.03	0.96	2.42	0.10	0.01	-0.06	-1.27	-0.15	1.42	0.50	0.90	0.90
12	2.64	2.74	0.45	0.99	4.75	0.31	3.26	-0.35	0.41	<b>-1.69</b>	<b>0.003</b>	<b>1.30</b>	0.37	0.07	0.77	2.71	0.28	0.00	0.02	-0.91	0.10	1.51	1.18	0.90	0.90
13	3.87	2.20	0.61	1.79	10.37	0.82	1.80	-0.38	0.31	-2.12	0.002	1.23	<b>0.11</b>	<b>0.02</b>	<b>1.19</b>	<b>2.18</b>	<b>0.13</b>	0.00	-0.10	-0.69	0.10	1.45	0.85	0.90	0.90
14	4.49	1.57	0.07	0.52	4.91	2.09	2.52	-0.39	0.26	-2.21	0.002	1.31	<b>0.09</b>	<b>0.03</b>	<b>1.63</b>	<b>2.09</b>	<b>0.17</b>	0.00	0.02	-0.66	-0.30	1.63	0.94	0.90	0.90
15	5.55	0.70	0.29	1.02	5.74	0.72	2.38	-0.42	0.32	<b>-0.81</b>	<b>0.005</b>	<b>0.49</b>	0.13	0.05	1.02	2.25	0.24	0.01	-0.26	-1.00	-0.30	0.88	0.50	0.90	0.90
16	5.81	0.39	0.97	1.60	2.77	0.58	12.69	-0.46	0.78	-0.44	0.006	0.69	2.14	1.09	1.29	2.33	2.42	<b>0.00</b>	<b>-0.43</b>	<b>-0.37</b>	<b>-0.13</b>	<b>0.22</b>	<b>0.31</b>	0.90	0.90
17	2.59	2.37	0.57	1.98	1.05	2.80	17.27	<b>-0.44</b>	<b>0.31</b>	-2.67	0.002	2.55	0.22	0.06	0.62	2.03	0.10	0.00	0.03	-0.31	-0.91	1.53	1.22	0.90	0.90
18	3.02	2.26	0.16	2.14	0.26	0.56	13.98	-0.45	0.27	<b>-2.93</b>	<b>0.002</b>	<b>2.02</b>	0.15	0.05	1.06	2.11	0.14	0.00	-0.03	-0.34	-0.67	1.62	0.99	0.90	0.90
19	2.37	1.99	0.55	1.33	1.94	0.31	1.46	-0.48	0.30	<b>-3.03</b>	<b>0.002</b>	<b>1.59</b>	0.16	0.03	0.70	2.23	0.08	0.00	-0.06	-0.57	0.14	1.77	0.93	0.90	0.90
20	3.86	2.43	0.95	0.76	0.72	2.32	28.16	-0.68	0.66	<b>-1.80</b>	<b>0.006</b>	<b>1.75</b>	0.16	0.04	0.62	2.19	0.14	0.00	-0.08	-0.68	-0.09	1.29	1.24	0.90	0.90
21	2.72	1.68	0.35	1.55	0.56	2.31	25.65	-0.58	0.22	-3.40	0.003	1.10	0.30	0.05	0.46	2.43	0.06	<b>0.00</b>	<b>-0.06</b>	<b>-0.44</b>	<b>-0.30</b>	<b>1.85</b>	<b>0.58</b>	0.90	0.90
22	6.35	0.23	0.03	0.15	0.04	0.74	23.15	-0.73	0.51	-0.87	0.006	0.44	0.24	0.05	0.48	2.16	0.09	<b>0.01</b>	<b>-0.31</b>	<b>-0.82</b>	<b>-0.52</b>	<b>0.81</b>	<b>0.33</b>	0.90	0.90
23	2.94	2.70	0.03	0.85	0.04	0.80	24.25	-0.74	0.38	-2.92	0.005	1.84	0.20	0.07	0.81	2.38	0.17	<b>0.00</b>	<b>-0.08</b>	<b>-0.37</b>	<b>-0.66</b>	<b>1.66</b>	<b>0.91</b>	0.90	0.90
24	3.02	1.96	0.29	8.99	0.04	0.91	32.79	<b>-0.94</b>	<b>0.37</b>	-5.39	0.003	2.12	0.22	0.05	0.48	2.92	0.09	0.00	-0.02	-0.27	-0.07	1.98	0.75	0.91	0.90
25	2.61	1.63	0.03	12.52	0.03	0.88	22.84	-1.92	0.75	6.12	0.008	3.27	0.12	0.07	0.78	2.60	0.18	0.00	0.01	0.14	0.19	1.95	1.00	<b>0.97</b>	0.90

# Probit ( $\sigma = 5$ )

part	exponential			hyperbolic			hyperboloid			prop diffs			direct diffs			tradeoff			ITCH			I-I	s-s		
	$\kappa$	$\sigma$	$\kappa$	$\sigma$	$\kappa$	$\tau$	$\sigma$	$\delta$	$\sigma$	$\delta$	$\omega$	$\sigma$	$\gamma$	$\tau$	$\kappa$	$\vartheta$	$\sigma$	$\beta_{ta}$	$\beta_{tr}$	$\beta_{tu}$	$\beta_{tr}$	$\beta_0$	$\sigma$	$\alpha$	
1	0.35	31.33	198.76	2.48	4.64	2.11	6.36	4.21	1.91	4.51	0.003	2.38	137.29	1.36	4.63	0.22	1.50	0.00	-0.19	-4.65	-0.39	-5.56	5.66	0.90	<b>0.99</b>
2	0.47	84.66	47.85	2.35	12.79	6.50	9.62	1.69	0.89	4.93	0.004	2.69	64.15	15.32	18.08	0.31	3.49	0.02	-0.05	-3.78	-6.08	-5.06	3.67	0.90	<b>0.98</b>
3	5.27	0.86	2.55	0.90	3.37	5.64	101.60	0.66	0.78	2.96	0.003	3.58	<b>73.27</b>	<b>0.12</b>	<b>10.65</b>	<b>0.84</b>	<b>8.16</b>	0.02	-0.04	-3.15	-3.75	-4.66	7.70	0.90	0.91
4	4.29	232.98	1.70	0.14	203.08	1.67	95.43	-0.19	0.17	-0.79	0.003	0.64	<b>0.13</b>	<b>0.05</b>	<b>12.88</b>	<b>1.77</b>	<b>1.24</b>	0.02	0.13	-4.42	-6.17	4.67	2.98	0.90	0.90
5	9.06	9.19	5.25	0.54	7.27	2.74	126.72	-0.21	0.24	-0.71	0.004	0.58	<b>0.03</b>	<b>0.02</b>	<b>5.86</b>	<b>1.86</b>	<b>0.57</b>	0.03	-0.08	-6.31	-2.97	5.26	4.03	0.90	0.90
6	10.52	1.79	3.97	0.19	5.34	4.47	120.15	-0.21	0.27	-0.71	0.004	0.72	<b>0.05</b>	<b>0.02</b>	<b>4.35</b>	<b>1.87</b>	<b>0.37</b>	0.04	-0.14	-8.26	-2.48	4.86	4.76	0.90	0.90
7	10.50	1.20	15.25	0.09	11.69	2.80	90.08	-0.25	0.25	-1.19	0.003	0.41	<b>0.23</b>	<b>0.02</b>	<b>2.60</b>	<b>2.05</b>	<b>0.25</b>	0.03	-0.21	-7.24	-1.29	7.11	2.46	0.90	0.90
8	14.59	2.13	1.18	0.65	10.68	18.64	76.43	-0.30	0.30	-1.28	0.003	0.40	<b>0.33</b>	<b>0.00</b>	<b>8.73</b>	<b>3.00</b>	<b>0.77</b>	0.03	-0.22	-8.10	1.65	6.50	2.08	0.90	0.90
9	2.76	1.57	1.83	1.54	8.58	0.73	33.83	-0.33	0.27	-2.28	0.001	2.36	<b>0.22</b>	<b>0.06</b>	<b>2.87</b>	<b>2.00</b>	<b>0.61</b>	0.00	-0.06	-1.74	-4.65	6.93	6.24	0.90	0.90
10	85.13	1.70	1.30	0.11	55.07	646.98	5.92	-0.36	0.28	<b>-0.96</b>	<b>0.005</b>	<b>0.38</b>	0.09	0.02	2.87	2.17	0.29	0.02	-0.38	-5.22	0.15	5.36	2.15	0.90	0.90
11	258.64	3.98	0.43	1.74	66.76	28.29	8.57	-0.37	0.25	<b>-1.18</b>	<b>0.004</b>	<b>0.41</b>	0.19	0.02	7.53	2.54	0.74	0.03	-0.40	-6.58	-0.64	6.43	2.29	0.90	0.90
12	2.29	1.85	1.81	0.41	422.72	25.07	21.91	-0.35	0.40	-1.80	0.003	1.36	<b>0.42</b>	<b>0.01</b>	<b>6.17</b>	<b>2.47</b>	<b>1.75</b>	0.01	-0.11	-4.35	0.72	7.12	5.58	0.90	0.90
13	4.18	1.67	0.03	0.43	9.19	3.99	208.62	-0.38	0.30	-2.25	0.002	1.27	<b>0.08</b>	<b>0.02</b>	<b>4.36</b>	<b>2.21</b>	<b>0.51</b>	0.01	-0.06	-4.12	0.59	8.59	5.01	0.90	0.90
14	4.15	2.25	1.45	0.89	43.13	8.60	166.92	-0.39	0.26	-2.35	0.002	1.36	<b>0.11</b>	<b>0.03</b>	<b>2.14</b>	<b>2.11</b>	<b>0.22</b>	0.01	0.04	-3.44	-1.63	8.64	4.96	0.90	0.90
15	64.89	4.41	0.03	0.11	9.97	335.83	2.09	-0.42	0.32	<b>-0.86</b>	<b>0.005</b>	<b>0.51</b>	0.19	0.03	8.88	2.25	1.63	0.03	-0.85	-4.58	-1.51	4.63	2.60	0.90	0.90
16	136.08	3.95	0.20	0.75	9.82	0.94	522.49	-0.46	0.76	-0.42	0.006	0.66	110.36	1.97	1.92	4.42	54.03	<b>0.01</b>	<b>-1.71</b>	<b>-2.09</b>	<b>-0.78</b>	<b>1.21</b>	<b>1.70</b>	0.90	0.90
17	2.92	1.73	0.03	1.67	7.48	13.03	654.23	-0.44	0.30	-3.11	0.001	2.80	<b>0.30</b>	<b>0.05</b>	<b>0.47</b>	<b>2.04</b>	<b>0.07</b>	0.00	-0.27	-1.50	-4.46	7.59	6.07	0.90	0.90
18	23.68	3.14	0.64	2.43	50.02	243.27	4.39	-0.45	0.26	-3.24	0.001	2.14	<b>0.44</b>	<b>0.04</b>	<b>0.56</b>	<b>2.12</b>	<b>0.07</b>	0.00	0.04	-1.88	-3.47	8.70	5.32	0.90	0.90
19	3.23	2.00	0.03	0.92	0.32	9.32	833.19	-0.48	0.30	-3.29	0.001	1.68	<b>0.40</b>	<b>0.02</b>	<b>2.54</b>	<b>2.26</b>	<b>0.32</b>	0.00	-0.39	-2.43	0.46	7.52	3.95	0.90	0.90
20	3.85	2.27	0.03	0.50	33.20	457.76	784.74	-0.70	0.68	-1.93	0.006	1.81	0.52	0.67	0.47	8.09	163.82	<b>0.02</b>	<b>-0.55</b>	<b>-2.93</b>	<b>-0.45</b>	<b>5.70</b>	<b>5.41</b>	0.90	0.90
21	2.90	2.27	0.53	1.77	20.91	40.10	35156.35	-0.58	0.22	<b>-3.70</b>	<b>0.002</b>	<b>1.19</b>	0.23	0.04	6.42	2.42	0.08	0.01	-0.97	-2.38	-1.17	9.50	2.99	0.90	0.90
22	26.39	1.80	0.03	0.07	36.08	37.94	328.40	-0.73	0.50	<b>-0.79</b>	<b>0.006</b>	<b>0.40</b>	0.61	0.03	1.39	2.17	0.17	0.01	-2.90	-1.18	-1.09	1.65	0.63	0.90	0.90
23	2.94	2.15	0.03	0.84	22.72	245.63	389.74	-0.73	0.37	-3.24	0.005	1.96	0.40	0.06	3.98	2.39	0.82	<b>0.01</b>	<b>-0.28</b>	<b>-1.58</b>	<b>-3.12</b>	<b>7.33</b>	<b>4.03</b>	0.90	0.90
24	3.25	1.23	0.01	356.85	0.33	1.27	487.91	-0.93	0.36	<b>-7.06</b>	<b>0.002</b>	<b>2.65</b>	0.62	0.03	0.21	2.99	0.04	0.00	-0.17	-1.32	-0.38	0.64	3.62	0.91	0.90
25	2.69	1.91	0.01	209.39	0.24	0.53	135.27	-4.70	2.18	-13.60	0.004	5.83	1.52	0.02	0.40	2.70	0.10	-0.01	0.22	0.62	0.67	9.49	4.81	<b>0.97</b>	0.90

# Probit ( $\sigma = 10$ )

part	exponential			hyperbolic			hyperboloid			prop diffs			direct diffs			tradeoff			ITCH			I-I		S-S	
	$\kappa$	$\sigma$	$\kappa$	$\sigma$	$\kappa$	$\sigma$	$\tau$	$\sigma$	$\delta$	$\sigma$	$\delta$	$\omega$	$\sigma$	$\gamma$	$\tau$	$\kappa$	$\vartheta$	$\sigma$	$\beta_{\text{re}}$	$\beta_{\text{rr}}$	$\beta_{\text{ts}}$	$\beta_{\text{tr}}$	$\beta_0$	$\sigma$	$\alpha$
1	0.54	21.75	20.86	0.94	68.17	29.25	6.07	6.77	2.96	8.24	0.004	3.94	864.87	0.45	158.97	0.16	54.05	0.00	-0.15	-9.22	-1.29	-11.34	11.15	0.90	<b>0.99</b>
2	0.40	103.54	29.77	3.46	6.09	3.27	8.78	2.89	1.42	9.86	0.004	4.93	234.91	2.04	2.78	0.13	0.93	0.06	-0.29	-9.09	-11.85	-10.54	7.45	0.90	<b>0.98</b>
3	5.71	1.48	16.41	0.53	0.47	2.76	106.62	<b>0.49</b>	<b>0.65</b>	3.47	0.003	4.03	54.42	0.09	4.45	0.90	3.61	0.03	-0.02	-6.54	-7.23	-9.42	15.63	0.90	0.91
4	8.26	91.38	4.43	1.99	1.15	2.07	294.42	<b>-0.19</b>	<b>0.17</b>	-0.80	0.003	0.65	0.09	0.04	16.47	1.77	1.56	0.04	-0.08	-10.01	-12.07	9.22	5.87	0.90	0.90
5	10.21	2.91	9.77	1.01	17.72	1.71	191.94	-0.21	0.24	-0.76	0.004	0.62	<b>0.10</b>	<b>0.02</b>	<b>3.10</b>	<b>1.86</b>	<b>0.30</b>	0.06	0.08	-13.38	-5.95	10.40	8.09	0.90	0.90
6	9.17	6.38	6.44	1.76	15.44	2.42	30.70	-0.21	0.27	-0.64	0.004	0.65	<b>0.04</b>	<b>0.02</b>	<b>6.48</b>	<b>1.88</b>	<b>0.56</b>	0.07	-0.28	-14.38	-5.31	10.11	9.83	0.90	0.90
7	8.43	15.75	5.52	0.41	11.63	3.38	174.38	-0.25	0.25	-1.21	0.003	0.41	<b>0.08</b>	<b>0.02</b>	<b>9.60</b>	<b>2.09</b>	<b>1.04</b>	0.04	0.04	-10.92	-2.07	11.68	3.98	0.90	0.90
8	16.66	0.44	13.75	1.17	61.13	2.29	53.73	-0.30	0.30	-1.23	0.003	0.38	<b>0.19</b>	<b>0.00</b>	<b>21.27</b>	<b>2.97</b>	<b>1.94</b>	0.04	-0.07	-11.01	2.52	10.29	3.29	0.90	0.90
9	2.15	1.77	4.00	1.29	8.47	3.43	87.86	-0.33	0.27	-2.29	0.001	2.36	<b>0.06</b>	<b>0.05</b>	<b>3.53</b>	<b>2.01</b>	<b>0.75</b>	-0.00	-0.29	-3.27	-9.53	13.74	12.19	0.90	0.90
10	49.88	0.73	0.42	0.70	17.90	380.71	1.63	-0.36	0.28	-1.12	0.004	0.43	<b>0.12</b>	<b>0.02</b>	<b>1.48</b>	<b>2.17</b>	<b>0.15</b>	0.06	-0.87	-12.38	0.38	11.16	4.53	0.90	0.90
11	420.13	0.73	1.89	1.00	73.87	342.22	154.43	-0.37	0.25	-1.16	0.004	0.40	<b>0.12</b>	<b>0.02</b>	<b>10.57</b>	<b>2.31</b>	<b>1.08</b>	0.03	-6.38	-6.15	-0.64	7.62	2.68	0.90	0.90
12	2.50	1.29	16.17	0.55	8.73	2492.43	0.80	-0.35	0.39	-1.82	0.003	1.38	<b>0.24</b>	<b>0.01</b>	<b>3.87</b>	<b>2.53</b>	<b>1.16</b>	0.03	-0.48	-8.46	0.94	14.06	10.93	0.90	0.90
13	3.18	187.42	2.55	0.73	138.79	773.92	1.06	-0.38	0.30	-2.27	0.002	1.28	<b>0.04</b>	<b>0.01</b>	<b>3.47</b>	<b>2.23</b>	<b>0.43</b>	0.02	-0.74	-8.15	1.10	17.03	9.98	0.90	0.90
14	3.71	2.58	1.91	0.94	26.65	37.15	175.43	-0.39	0.26	-2.39	0.002	1.38	<b>0.12</b>	<b>0.02</b>	<b>4.05</b>	<b>2.12</b>	<b>0.48</b>	0.01	-0.27	-6.23	-3.02	15.84	9.11	0.90	0.90
15	2934.70	0.24	1.24	126.39	52.08	716.04	1223.96	-0.42	0.32	<b>-0.79</b>	<b>0.005</b>	<b>0.47</b>	1.59	0.03	5.67	2.29	1.06	0.03	-2.51	-5.77	-1.76	5.32	3.01	0.90	0.90
16	231.84	0.96	0.94	1.53	12.87	48.69	1846.98	-0.46	0.79	-0.43	0.006	0.67	347.32	0.97	0.01	0.38	479.96	<b>0.02</b>	<b>-4.79</b>	<b>-2.61</b>	<b>-0.98</b>	<b>1.64</b>	<b>2.35</b>	0.90	0.90
17	2.19	2.05	1.23	1.81	5.97	0.31	149.74	-0.44	0.30	-3.14	0.001	2.81	<b>0.08</b>	<b>0.05</b>	<b>2.90</b>	<b>2.04</b>	<b>0.46</b>	0.01	-0.44	-2.76	-8.56	14.28	11.41	0.90	0.90
18	2.39	1.69	0.27	308.98	6.67	339.44	263.80	-0.45	0.26	-3.26	0.001	2.16	<b>0.10</b>	<b>0.04</b>	<b>2.10</b>	<b>2.12</b>	<b>0.27</b>	0.00	-0.53	-3.51	-6.71	16.53	10.08	0.90	0.90
19	2.20	2.51	0.03	0.78	0.75	0.91	39988.62	-0.48	0.30	-3.32	0.001	1.69	<b>0.33</b>	<b>0.02</b>	<b>1.10</b>	<b>2.26</b>	<b>0.14</b>	0.01	-1.32	-5.05	0.97	15.79	8.25	0.90	0.90
20	3.35	2.11	0.03	0.43	40.85	1212.56	697.10	-0.70	0.69	-1.95	0.006	1.82	19.75	24.61	1.01	1.95	650.01	<b>0.03</b>	<b>-2.12</b>	<b>-4.36</b>	<b>-1.42</b>	<b>8.92</b>	<b>8.44</b>	0.90	0.90
21	10.70	1.56	0.02	4.50	25.69	285.86	14427.52	-0.58	0.22	-3.70	0.002	1.19	0.48	0.04	1.85	2.43	0.22	<b>0.01</b>	<b>-2.15</b>	<b>-4.11</b>	<b>-2.48</b>	<b>16.94</b>	<b>5.26</b>	0.90	0.90
22	21.18	0.94	0.03	0.10	106.72	36.21	303.08	-0.72	0.49	-0.80	0.006	0.40	0.86	0.26	2.90	2.51	77.10	<b>0.02</b>	<b>-6.10</b>	<b>-2.82</b>	<b>-2.31</b>	<b>3.57</b>	<b>1.40</b>	0.90	0.90
23	2.97	1.91	0.03	0.89	26.29	45.68	532.61	-0.73	0.37	<b>-3.26</b>	<b>0.005</b>	<b>1.97</b>	0.50	0.06	0.95	2.38	0.18	0.02	-1.43	-2.44	-5.00	11.50	6.40	0.90	0.90
24	3.52	1.28	0.01	387.19	1.19	1.31	544.21	-0.92	0.36	<b>-7.23</b>	<b>0.002</b>	<b>2.72</b>	3.55	0.03	0.30	2.98	0.06	0.00	-2.24	-1.70	-1.56	14.50	5.36	0.91	0.90
25	3.48	1.04	0.01	159.40	1.15	472.13	198.65	-7.63	3.69	-16.43	0.009	7.59	0.32	0.02	0.84	2.86	0.37	-0.01	0.16	1.07	1.45	18.78	9.46	<b>0.97</b>	0.90