m_0: $ActEffort \sim GammaPoisson(\lambda, \phi)$
$\log(\lambda) = \alpha$
$\phi \sim Exponential(1)$
$\alpha \sim Normal(0,2)$

m_1: $ActEffort_i \sim GammaPoisson(\lambda_i, \phi)$
$\log(\lambda_i) = \alpha_{Cplx} \times Cplx_i$
$\phi \sim Exponential(1)$
$\alpha_{Cplx} \sim Normal(0,2.5)$

m_2: $ActEffort_i \sim GammaPoisson(\lambda_i, \phi)$
$\log(\lambda_i) = \alpha_{Acap} \times Acap_i$
$\phi \sim Exponential(1)$
$\alpha_{Acap} \sim Normal(0,2.5)$

m_3: $ActEffort_i \sim GammaPoisson(\lambda_i, \phi)$
$\log(\lambda_i) = \alpha_{Pcap} \times Pcap_i$
$\phi \sim Exponential(1)$
$\alpha_{Pcap} \sim Normal(0,2.5)$

m_4: $ActEffort_i \sim Exponential(\lambda_i)$
$\lambda_i = \alpha + \beta_{Cplx} Cplx_i + \beta_{acap} Acap_i + \beta_{Pcap} Pcap_i$
$\propto \sim Normal(0, 0.5)$
$\beta_{Cplx} \sim Normal(0,1)$
$\beta_{Acap} \sim Normal(0,1)$
$\beta_{Pcap} \sim Normal(0,1)$

> precis(m0, depth = 2)

	mean	sd	5.5%	94.5%	n_eff	Rhat4
phi	0.61	0.07	0.49	0.73	1373	1
alpha	6.42	0.14	6.20	6.64	1166	1

> precis(m2, depth = 2)

	mean	sd	5.5%	94.5%	n_eff	Rhat4
phi	0.66	0.08	0.54	0.80	1803	1
a_acap[1]	6.76	0.17	6.49	7.04	2127	1
a_acap[2]	5.68	0.21	5.36	6.01	2241	1
a_acap[3]	5.86	0.37	5.31	6.50	2124	1

> precis(m1, depth = 2)

	mean	sd	5.5%	94.5%	n_eff	Rhat4
phi	0.73	0.09	0.60	0.89	2577	1
a_cplx[1]	5.75	0.16	5.50	6.00	2375	1
a_cplx[2]	6.51	0.59	5.66	7.49	1657	1
a_cplx[3]	6.13	0.35	5.61	6.72	2187	1
a_cplx[4]	7.15	0.28	6.75	7.60	2572	1
a_cplx[5]	7.36	0.47	6.66	8.16	3040	1

> precis(m3, depth = 2)

	mean	sd	5.5%	94.5%	n_eff	Rhat4
phi	0.65	0.08	0.53	0.79	2290	1
a_pcap[1]	6.80	0.19	6.50	7.11	2447	1
a_pcap[2]	5.84	0.20	5.53	6.16	2586	1
a_pcap[3]	6.43	0.37	5.87	7.06	2406	1

	PSIS	SE	dPSIS	dSE	pPSIS.	weight
m1	1348.3	31.71	0.0	NA	7.1	1
m2	1359.6	32.67	11.3	9.41	5.3	0
m3	1361.7	31.39	13.4	12.05	5.1	0
m0	1369.3	32.21	21.1	13.06	3.1	0