

Bauch_Disturbances

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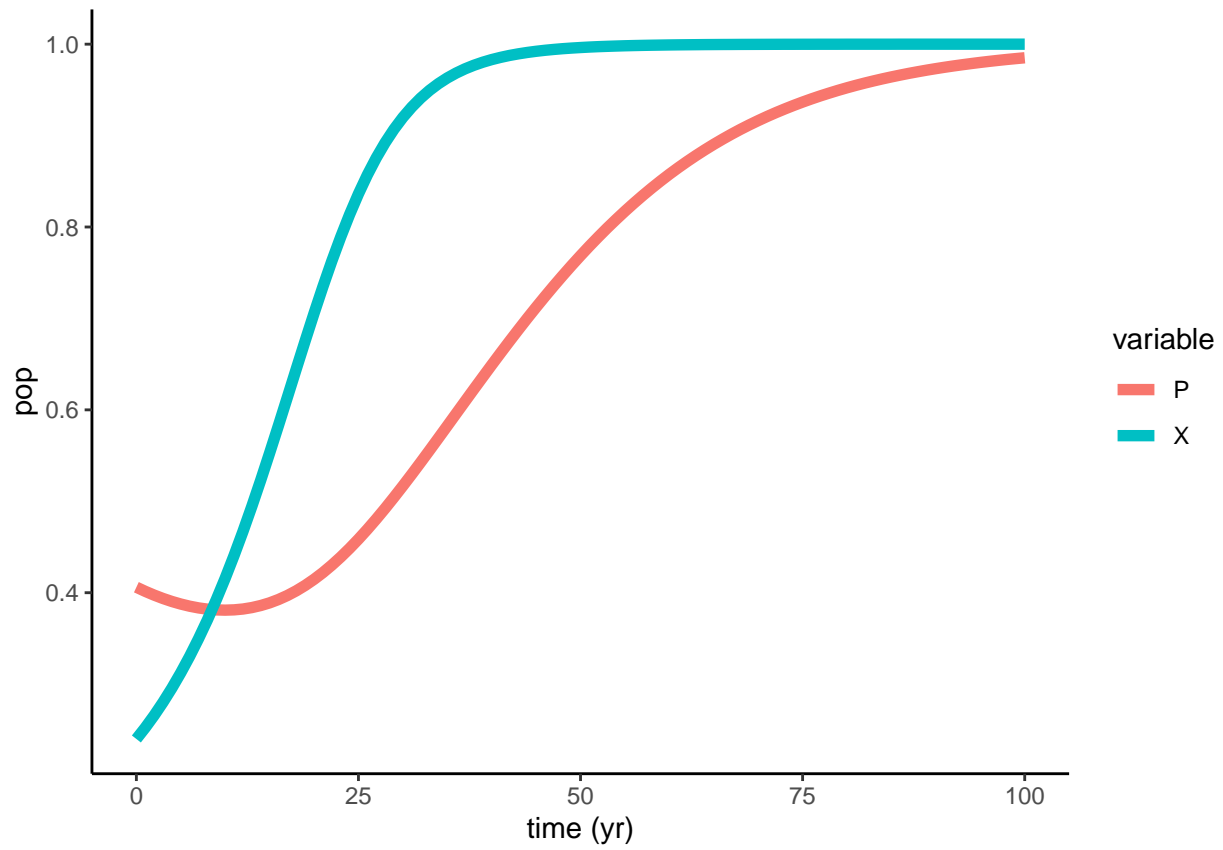


Figure 1: Original Bauch Model

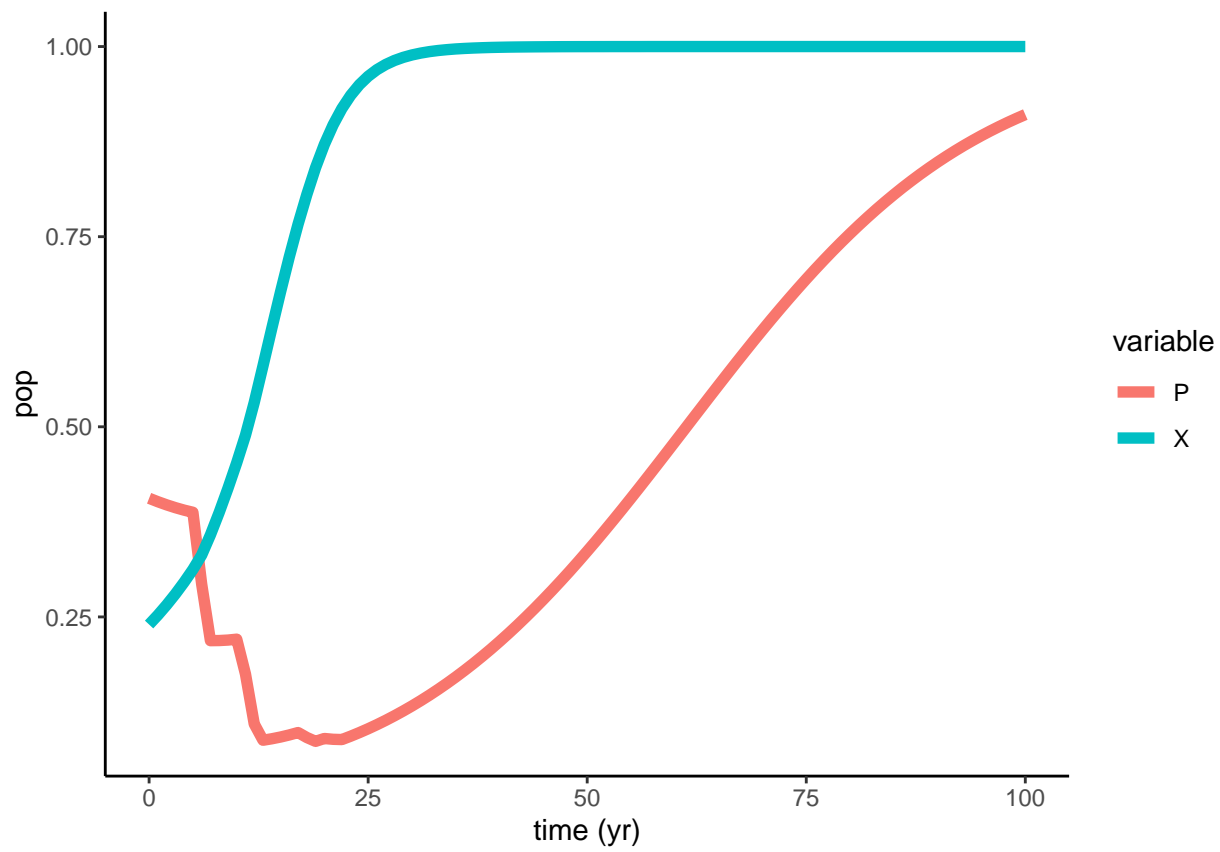


Figure 2: Bauch Model with shocks

time1	P1	X1	time	P	X	Pdiff	Xdiff
0	0.4060000	0.2400000	0	0.4060000	0.2400000	0.0000000	0.0000000
1	0.4014802	0.2523789	1	0.4014802	0.2523789	0.0000000	0.0000000
2	0.3973659	0.2657418	2	0.3973659	0.2657418	0.0000000	0.0000000
3	0.3936691	0.2801578	3	0.3936691	0.2801578	0.0000000	0.0000000
4	0.3904039	0.2956963	4	0.3904039	0.2956963	0.0000000	0.0000000
5	0.3875862	0.3124251	5	0.3875862	0.3124251	0.0000000	0.0000000
6	0.3852340	0.3304090	6	0.2930689	0.3314035	-0.2392445	0.0030100
7	0.3833675	0.3497069	7	0.2187809	0.3579004	-0.4293182	0.0234297
8	0.3820089	0.3703673	8	0.2189292	0.3874492	-0.4269003	0.0461216
9	0.3811821	0.3924245	9	0.2195701	0.4190918	-0.4239757	0.0679555
10	0.3809128	0.4158937	10	0.2207389	0.4527328	-0.4205002	0.0885781
11	0.3812282	0.4407625	11	0.1748060	0.4890026	-0.5414662	0.1094468
12	0.3821562	0.4669859	12	0.1092550	0.5320266	-0.7141090	0.1392777
13	0.3837249	0.4944797	13	0.0878652	0.5802431	-0.7710203	0.1734417
14	0.3859617	0.5231146	14	0.0897586	0.6292253	-0.7674418	0.2028442
15	0.3888927	0.5527115	15	0.0920647	0.6773320	-0.7632647	0.2254712
16	0.3925409	0.5830404	16	0.0947982	0.7233833	-0.7585012	0.2407088
17	0.3969254	0.6138222	17	0.0979683	0.7663137	-0.7531821	0.2484294
18	0.4020599	0.6447368	18	0.0914284	0.8054342	-0.7726000	0.2492448
19	0.4079515	0.6754344	19	0.0863901	0.8407277	-0.7882344	0.2447214
20	0.4145997	0.7055521	20	0.0901478	0.8712151	-0.7825666	0.2347990
21	0.4219956	0.7347339	21	0.0890848	0.8969376	-0.7888962	0.2207653
22	0.4301214	0.7626504	22	0.0887514	0.9183916	-0.7936595	0.2042105
23	0.4389507	0.7890179	23	0.0931559	0.9358304	-0.7877760	0.1860699
24	0.4484489	0.8136125	24	0.0978834	0.9497960	-0.7817290	0.1673812
25	0.4585740	0.8362790	25	0.1029302	0.9608638	-0.7755429	0.1489752
26	0.4692781	0.8569326	26	0.1082940	0.9695662	-0.7692328	0.1314381
27	0.4805083	0.8755552	27	0.1139739	0.9763678	-0.7628056	0.1151413
28	0.4922088	0.8921868	28	0.1199704	0.9816616	-0.7562611	0.1002870
29	0.5043216	0.9069138	29	0.1262852	0.9857716	-0.7495939	0.0869518
30	0.5167882	0.9198568	30	0.1329209	0.9889545	-0.7427943	0.0751178
31	0.5295506	0.9311586	31	0.1398806	0.9914166	-0.7358503	0.0647129
32	0.5425519	0.9409731	32	0.1471682	0.9933216	-0.7287481	0.0556323
33	0.5557373	0.9494569	33	0.1547875	0.9947959	-0.7214737	0.0477525
34	0.5690543	0.9567631	34	0.1627423	0.9959372	-0.7140126	0.0409445
35	0.5824533	0.9630360	35	0.1710365	0.9968221	-0.7063515	0.0350829
36	0.5958874	0.9684093	36	0.1796734	0.9975092	-0.6984776	0.0300492
37	0.6093131	0.9730036	37	0.1886557	0.9980434	-0.6903796	0.0257346
38	0.6226897	0.9769268	38	0.1979857	0.9984595	-0.6820475	0.0220413
39	0.6359799	0.9802740	39	0.2076647	0.9987842	-0.6734729	0.0188827
40	0.6491494	0.9831283	40	0.2176929	0.9990381	-0.6646490	0.0161828
41	0.6621669	0.9855618	41	0.2280697	0.9992371	-0.6555707	0.0138756
42	0.6750039	0.9876365	42	0.2387931	0.9993934	-0.6462344	0.0119040
43	0.6876350	0.9894058	43	0.2498600	0.9995164	-0.6366386	0.0102189
44	0.7000374	0.9909151	44	0.2612657	0.9996135	-0.6267832	0.0087781
45	0.7121910	0.9922034	45	0.2730042	0.9996903	-0.6166700	0.0075457
46	0.7240781	0.9933037	46	0.2850678	0.9997511	-0.6063024	0.0064909
47	0.7356838	0.9942441	47	0.2974178	0.9997995	-0.5957261	0.0055876
48	0.7469950	0.9950484	48	0.3100845	0.9998381	-0.5848908	0.0048135
49	0.7580011	0.9957369	49	0.3230613	0.9998689	-0.5737984	0.0041496
50	0.7686936	0.9963268	50	0.3363170	0.9998935	-0.5624823	0.0035799
51	0.7790657	0.9968326	51	0.3498360	0.9999133	-0.5509544	0.0030905
52	0.7891125	0.9972666	52	0.3636012	0.9999293	-0.5392278	0.0026699
53	0.7988310	0.9976395	53	0.3775937	0.9999421	-0.5273172	0.0023081
54	0.8082102	0.9979690	54	0.3917010	0.9999525	-0.5152407	0.0019066