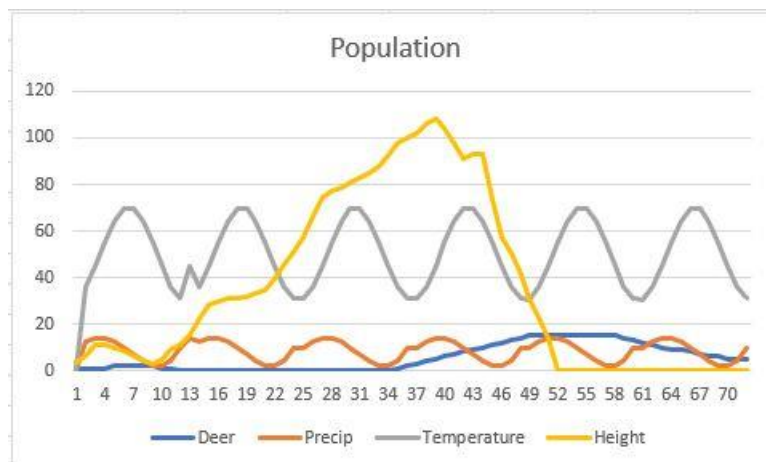


1. I chose a Bobcat as they do hunt deer, but I had to give them a low percentage like 20% because even though they do hunt deer they rarely do hunt them. The bobcats first into the situation where it hunts a deer and making the deer population go down but also bring the grain up and the opposite where the deer population goes up then the grain goes down
2. The table below is what I got

Year		Month	Deer	Precip	Temperature	Height	Bobcat
2022		0	1	0	0	3.5	1
2022		1	1	12.44	35.88	6.14	1
2022		2	1	13.99	44.83	11.32	1
2022		3	1	13.99	55.18	10.91	1
2022		4	2	12.44	64.15	10.01	1
2022		5	2	9.75	69.32	8.01	1
2022		6	2	6.64	69.32	6.01	1
2022		7	2	3.95	64.15	4.03	1
2022		8	2	2.4	55.18	2.53	1
2022		9	1	2.4	44.83	4.53	1
2022		10	1	3.95	35.86	8.8	1
2022		11	0	9.75	30.96	11.18	1
2023		0	0	13.99	44.83	14.98	1
2023		1	0	12.44	35.86	22.11	1
2023		2	0	13.99	44.83	28.18	1
2023		3	0	13.9	55.18	29.95	1
2023		4	0	12.44	64.15	30.97	1
2023		5	0	9.75	69.32	30.97	1
2023		6	0	6.64	69.32	31.98	1
2023		7	0	3.95	64.15	32.99	1
2023		8	0	2.4	55.18	34.5	1
2023		9	0	2.4	44.83	39.5	1
2023		10	0	3.95	35.86	45.76	1
2023		11	0	9.75	30.96	51.15	1
2024		0	0	9.75	30.96	56.92	1
2024		1	0	12.44	35.86	66.07	1
2024		2	0	13.99	44.83	74.15	1
2024		3	0	13.9	55.18	76.91	1
2024		4	0	12.44	64.15	78.94	1
2024		5	0	9.75	69.32	80.94	1
2024		6	0	6.64	69.32	82.94	1
2024		7	0	3.95	64.15	84.96	1
2024		8	0	2.4	55.18	87.46	1
2024		9	0	2.4	44.83	92.46	1
2024		10	1	3.95	35.86	97.73	1

2024	11	2	9.75	30.96	100.13	1
2025	0	3	9.75	30.965	101.89	1
2025	1	4	12.44	35.86	106.04	1
2025	2	5	13.99	44.83	108.11	1
2025	3	6	13.9	55.18	103.88	1
2025	4	7	12.44	64.15	97.9	1
2025	5	8	9.75	69.32	90.9	1
2025	6	9	6.64	69.32	92.9	1
2025	7	10	3.95	64.15	92.9	1
2025	8	11	2.4	55.18	73.92	1
2025	9	12	2.4	44.83	57.43	1
2025	10	13	3.95	35.86	50.69	1
2025	11	14	9.75	30.96	41.07	1
2026	0	15	9.75	30.69	30.85	1
2026	1	15	12.44	35.86	23	1
2026	2	15	13.99	44.83	14	1
2026	3	15	13.9	55.18	0	1
2026	4	15	12.44	64.15	0	1
2026	5	15	9.75	69.32	0	1
2026	6	15	6.64	69.32	0	1
2026	7	15	3.95	64.15	0	1
2026	8	15	2.4	55.18	0	1
2026	9	15	2.4	44.83	0	1
2026	10	14	3.95	35.86	0	1
2026	11	13	9.75	30.96	0	1
2027	0	12	9.75	30.69	0	1
2027	1	11	12.44	35.86	0	1
2027	2	10	13.99	44.83	0	1
2027	3	9	13.9	55.18	0	1
2027	4	9	12.44	64.15	0	1
2027	5	8	9.75	69.32	0	1
2027	6	7	6.64	69.32	0	1
2027	7	6	3.95	64.15	0	1
2027	8	6	2.4	55.18	0	1
2027	9	5	2.4	44.83	0	1
2027	10	5	3.95	35.86	0	1

3. This is the chart I got from the data



4. The curve as of the data makes sense as the temperature and the Precip stays the same through the 6 years and stays consist. The height of the grain goes up as the deer population goes down to zero for a bit, making the height of the grain up to 110 ft. The other ways apply when the curve down as the deer population goes up to 15 the height of the grain goes down to zero and it never recovers from that.