

Predator-Prey Simulation Report

Years: 2020 - 2050

Initial Rabbits: 1000, Wolves: 500

Grid Size: 20x20

Model Parameters:

alpha (rabbit growth rate): 0.1

beta (predation rate): 0.005

gamma (wolf death rate): 0.1

delta (wolf reproduction rate): 0.005

AI Summary:

This is a mock summary. Replace this with a call to Gemini or Grok API. The simulation showed population trends for rabbits and wolves across all grids. Key trends, equilibrium points, and extinction events should be described here.

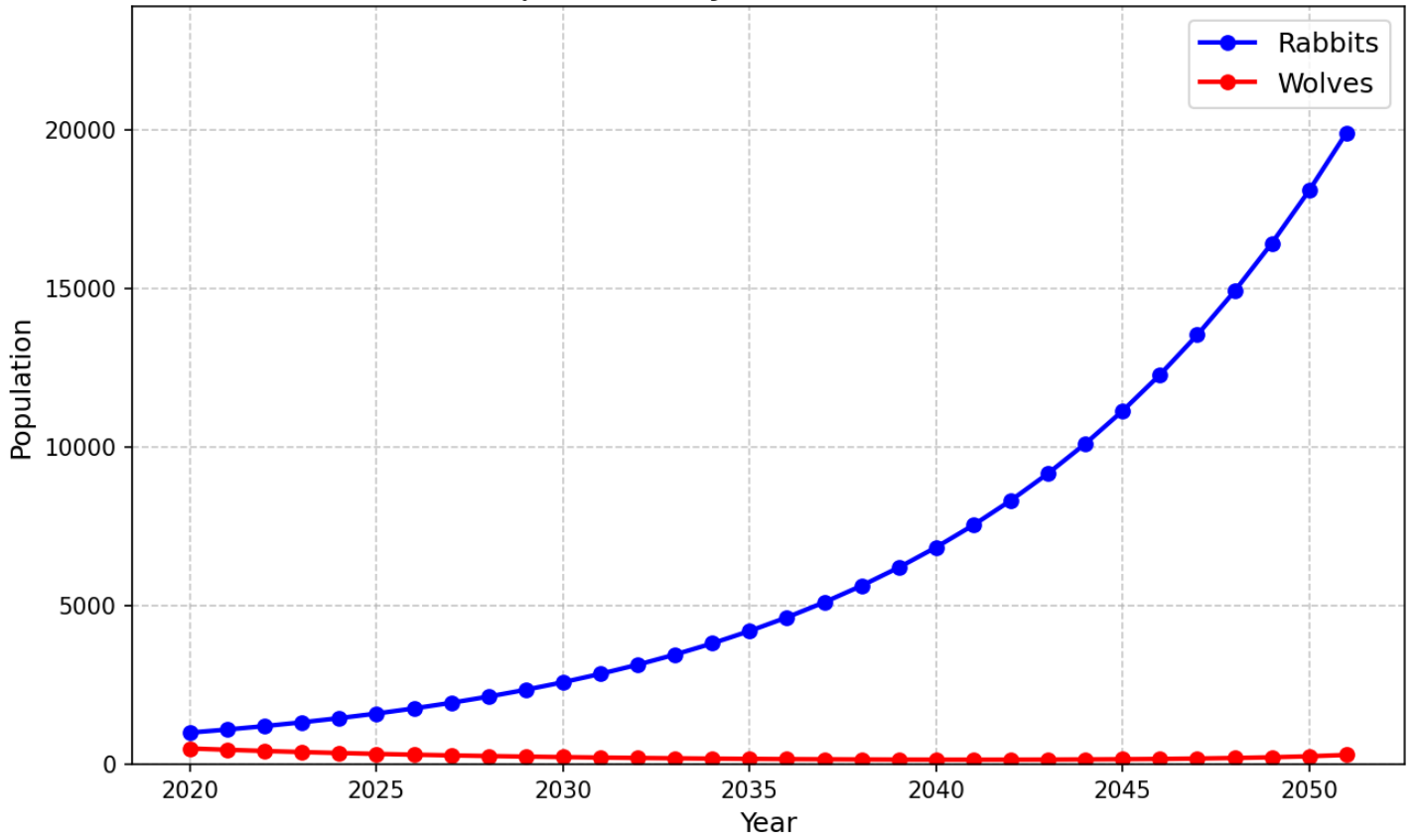
Population by Year:

Year	Rabbits	Wolves
2020	1000	500
2021	1097	458
2022	1205	420
2023	1325	386
2024	1456	356
2025	1601	328
2026	1762	303
2027	1939	281
2028	2134	261
2029	2350	243
2030	2588	227
2031	2851	213
2032	3140	200
2033	3460	189
2034	3813	179

2035	4203	171
2036	4632	163
2037	5106	158
2038	5629	153
2039	6206	149

Population Dynamics Over Time

Population Dynamics Over Time



Phase Space: Predator vs Prey Population

Phase Space: Predator vs Prey Population

