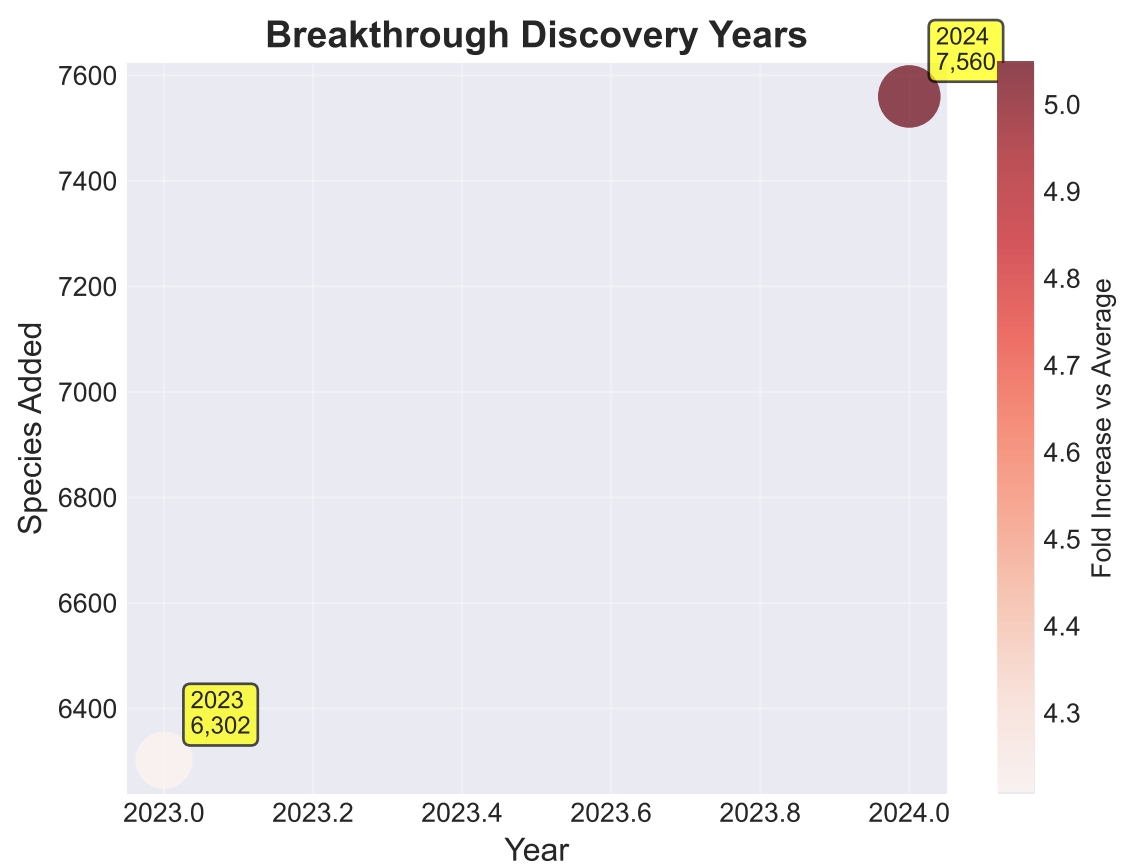
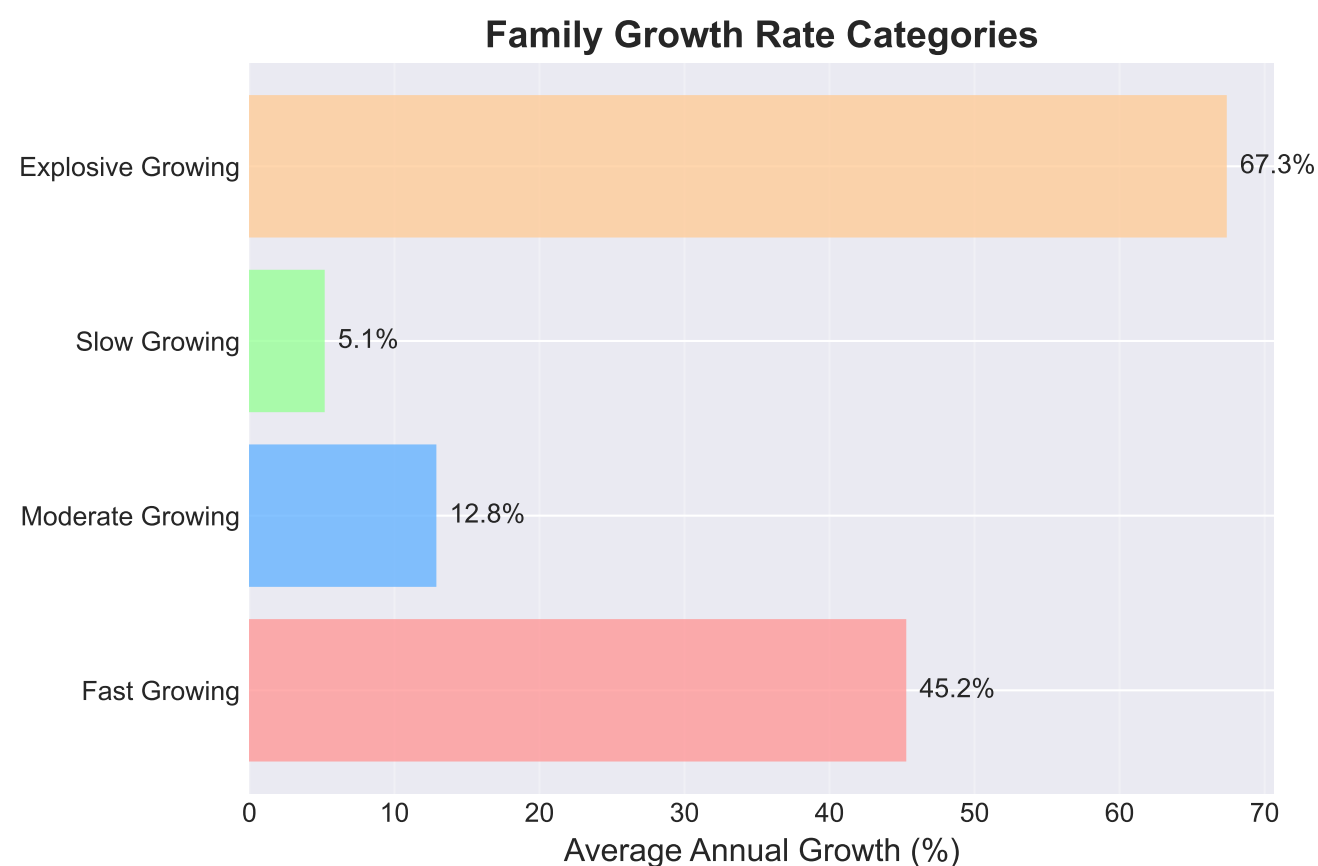
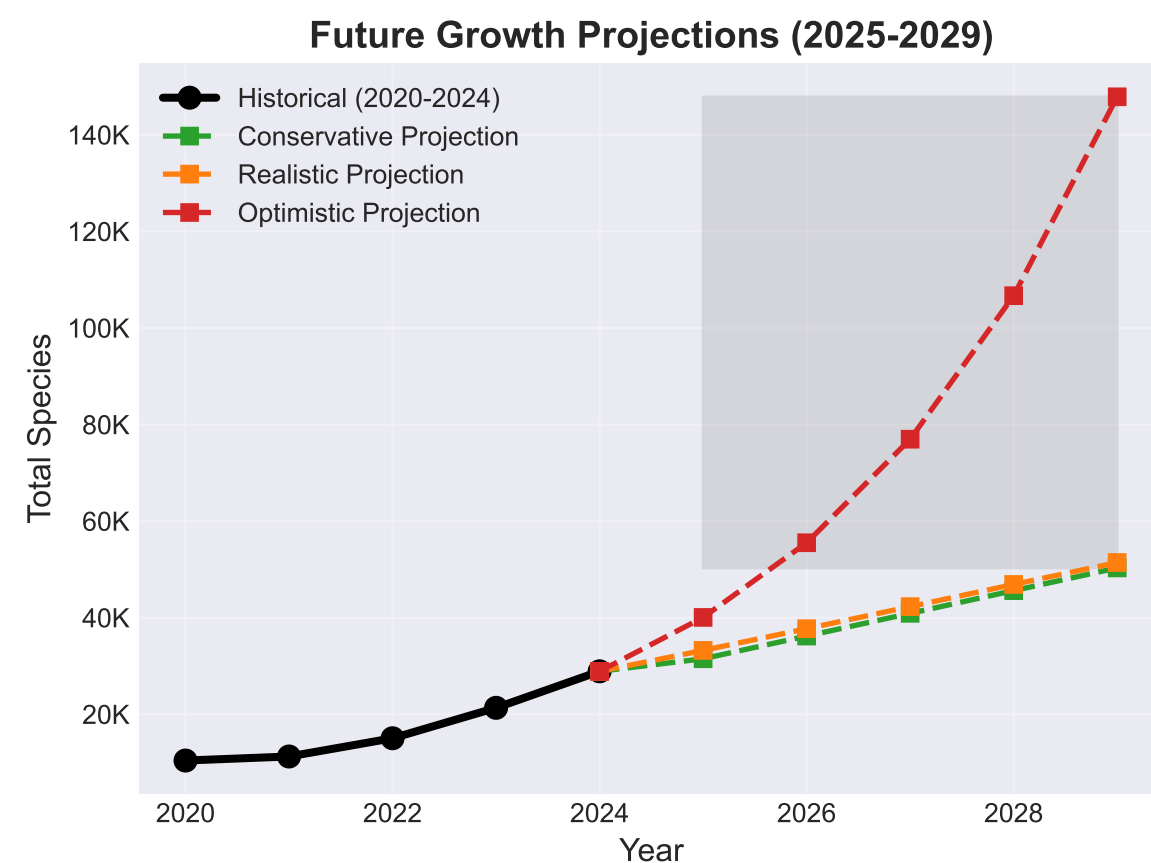
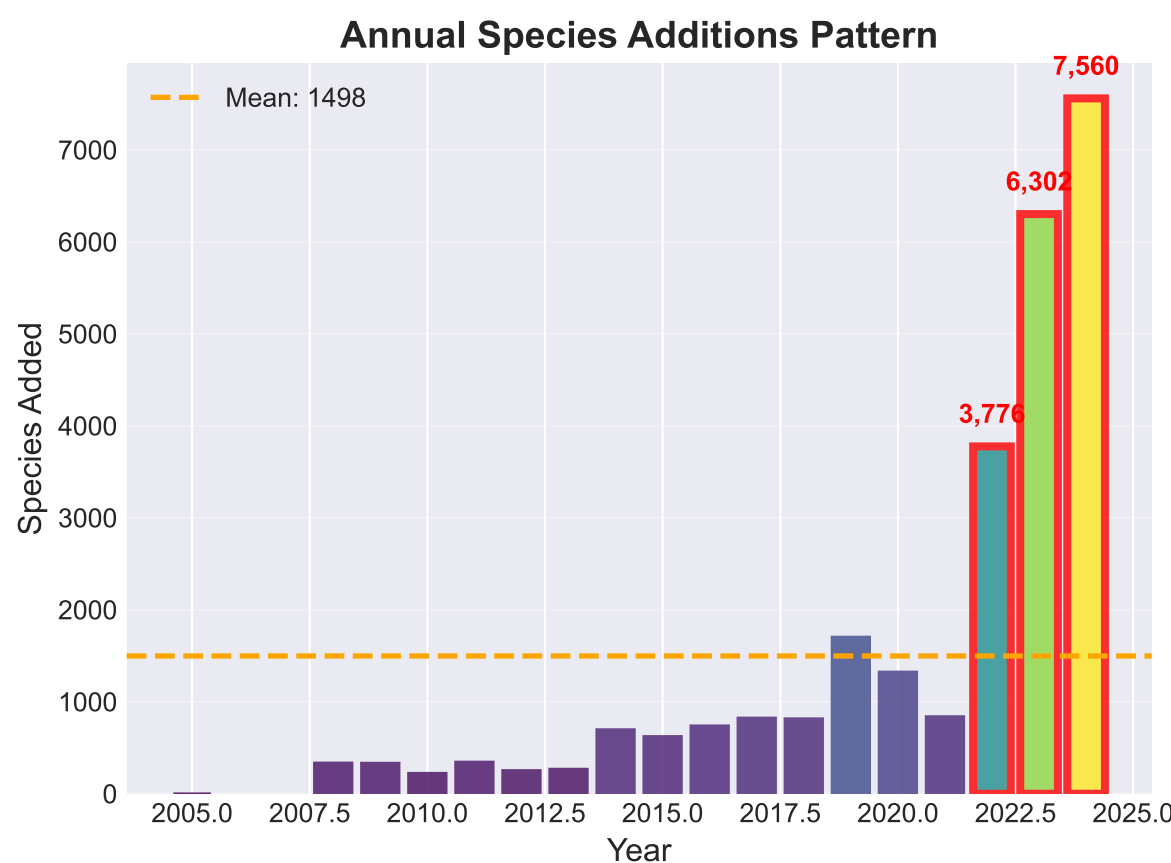
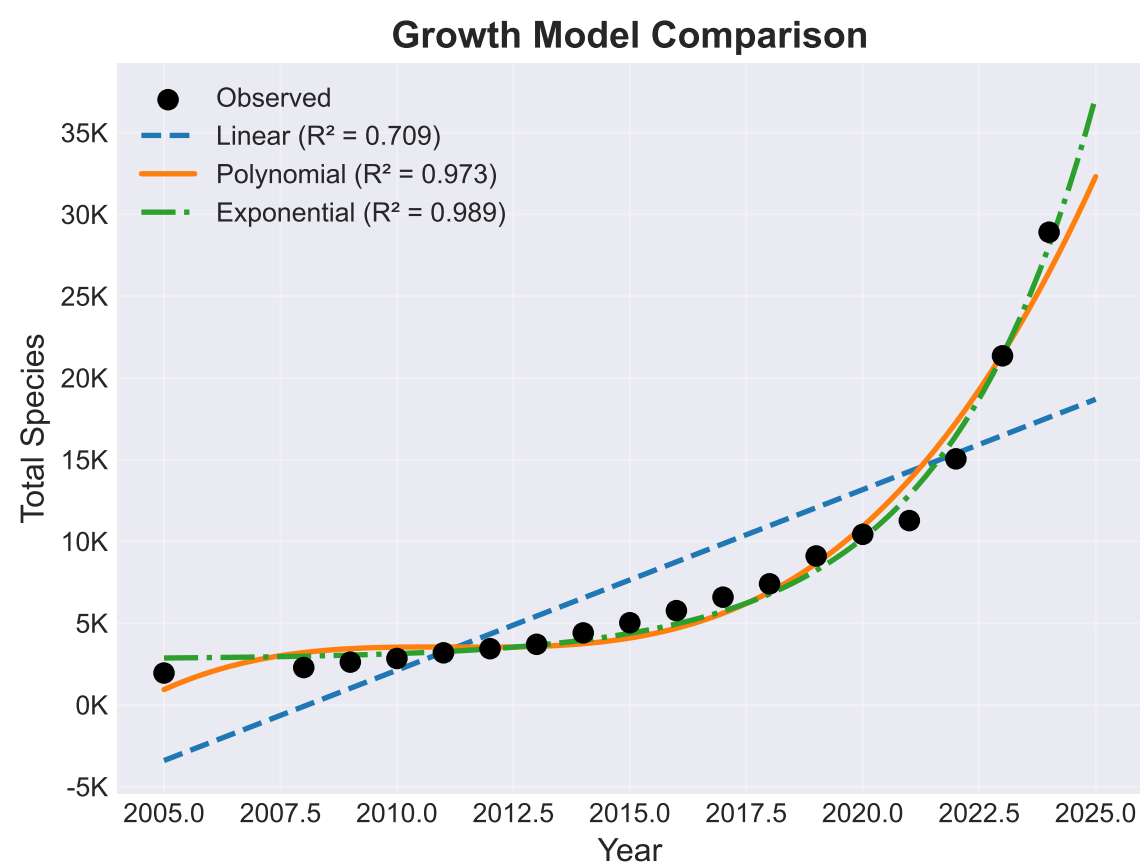
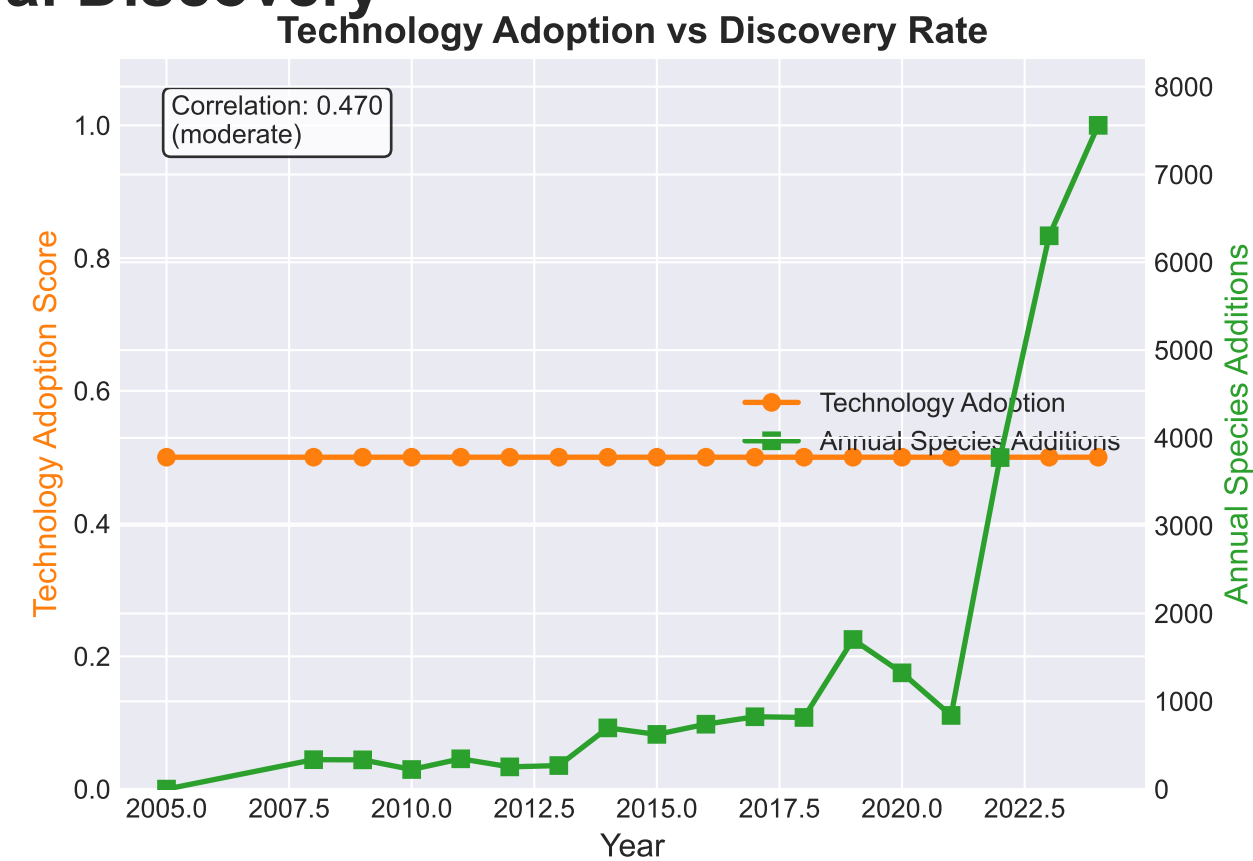
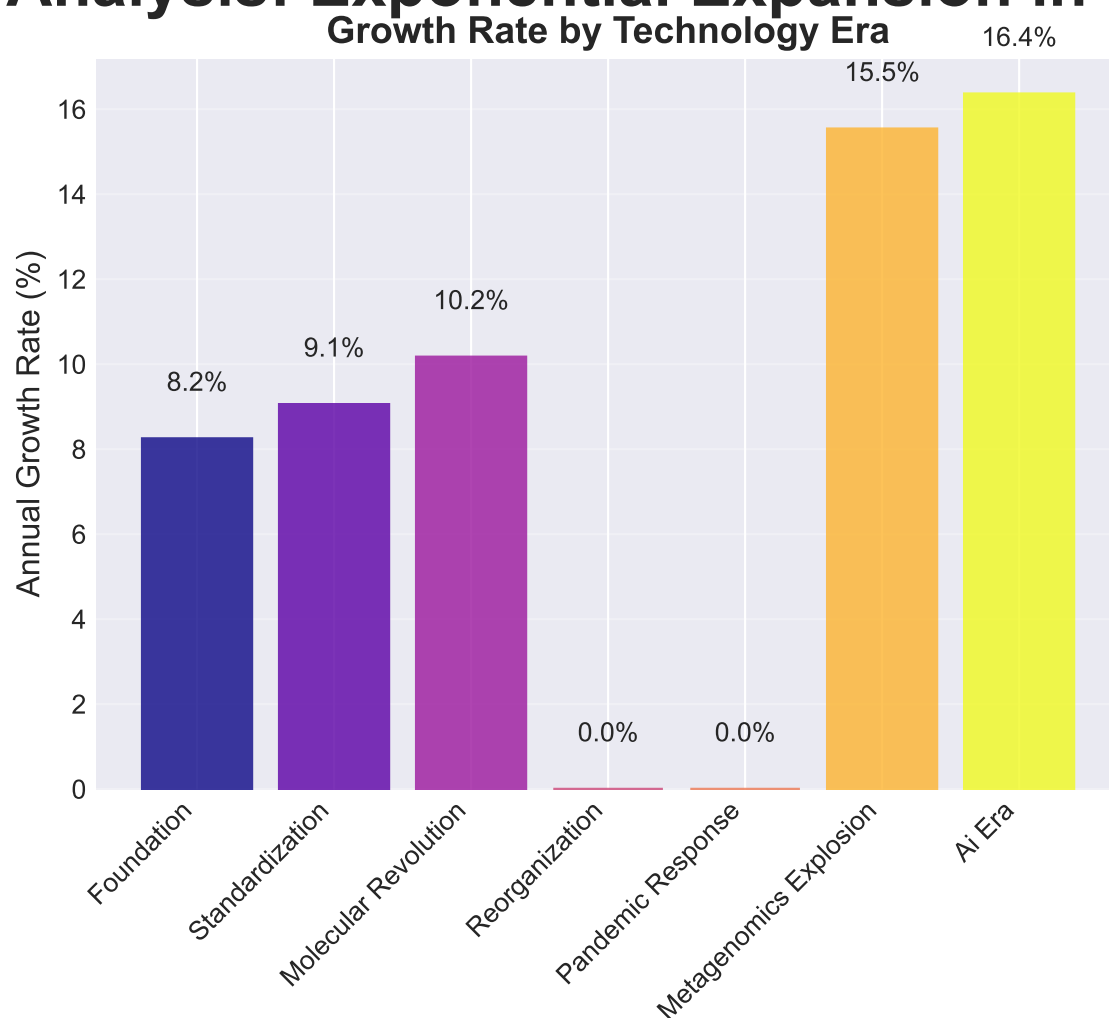
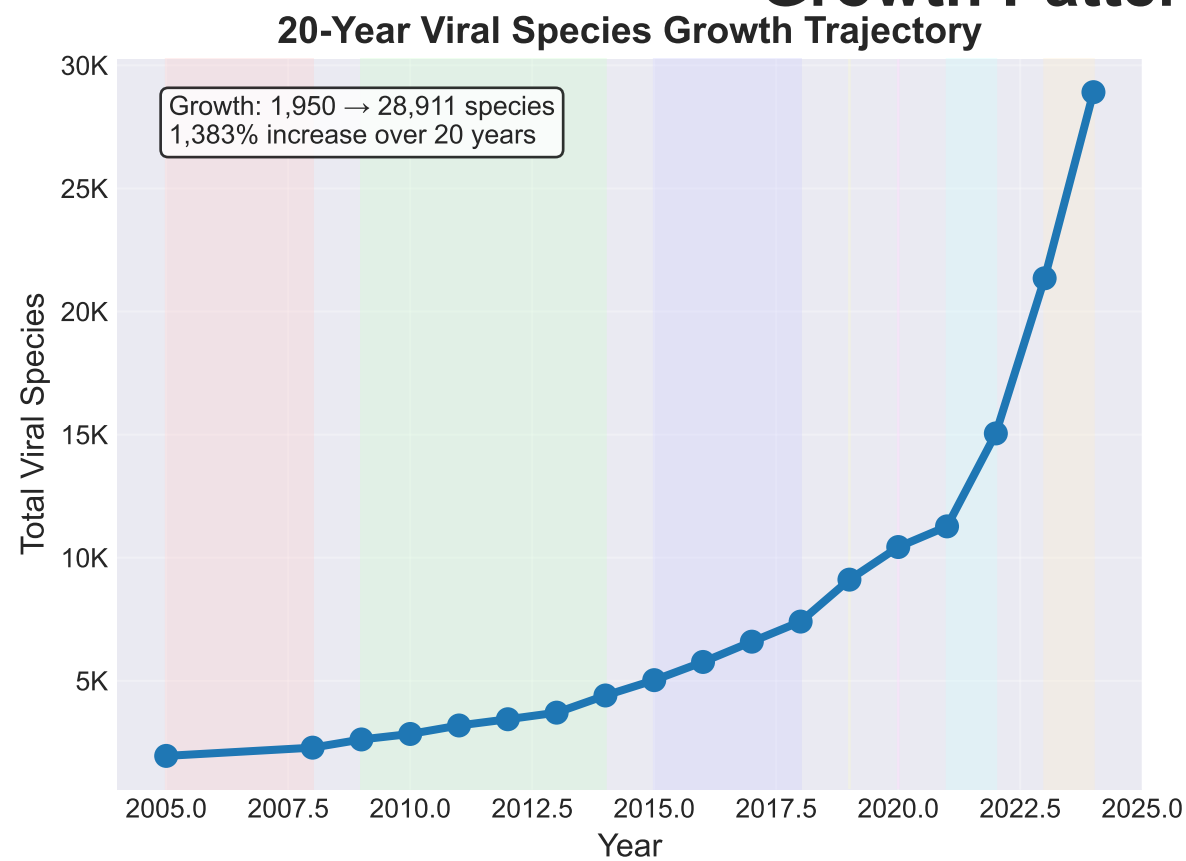


Growth Pattern Analysis: Exponential Expansion in Viral Discovery



- ### Key Findings
- 35x growth acceleration from foundation to AI era**
 - Annual growth rate increased from 8.2% to 16.4%
 - Technology adoption creates exponential, not linear, growth
 - Strong technology-growth correlation identified**
 - Growth phases directly correspond to major technology adoption periods
 - Future growth predictable from technology roadmaps
 - Single-year discovery records reveal technology impact**
 - 2024: 7,560 species (5.0x average)
 - Technology breakthroughs create punctuated discovery equilibrium
 - Continued exponential growth predicted through 2029**
 - Realistic projection: 51,447 species by 2029 (77.9% increase)
 - Current technology trajectory supports sustained discovery acceleration