

Implementacija NEAT genetskega algoritma za navigacijo po 2D poligonu

Genetski algoritmi

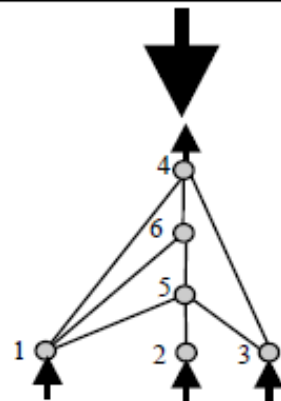
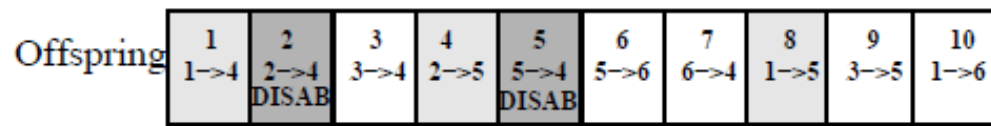
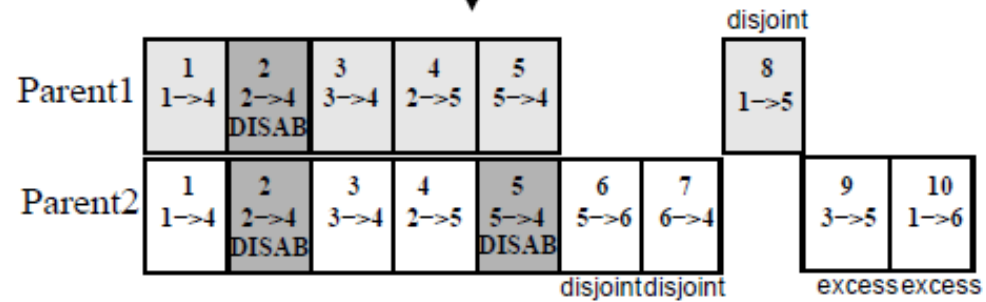
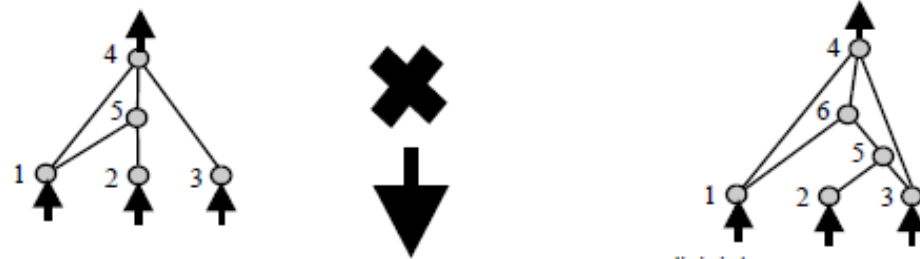
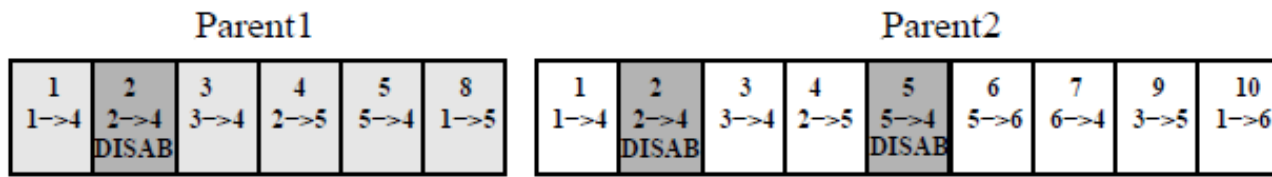
Selekcija

Križanje

Mutacija

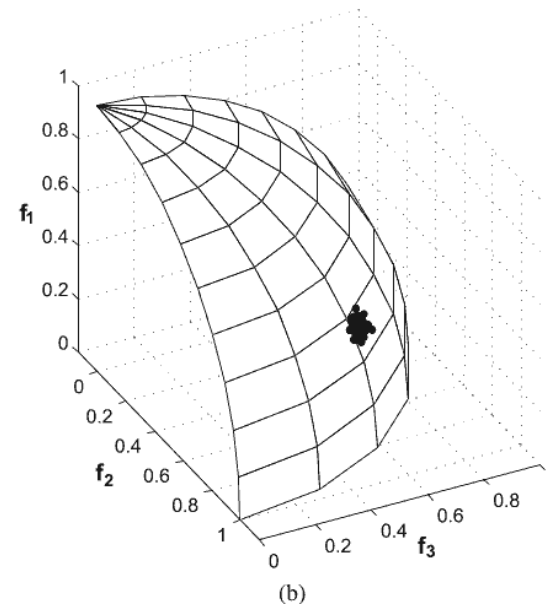
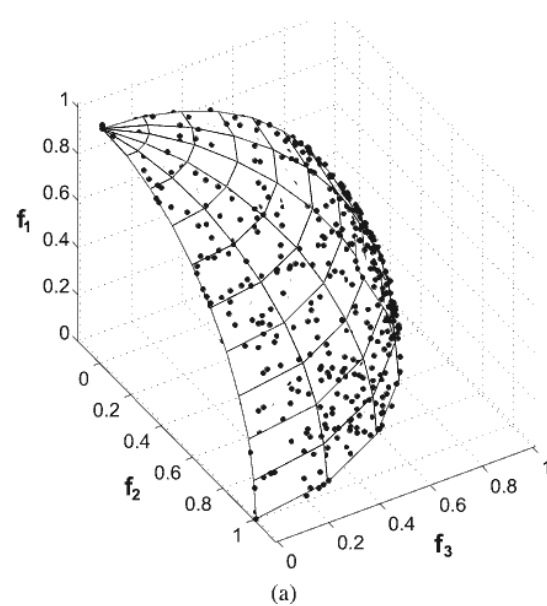
Algoritem NEAT

- ▶ Genom predstavlja umetna nevrnska mreža
- ▶ Križanje nevrnskih mrež
- ▶ Mutacije nevrnske mreže

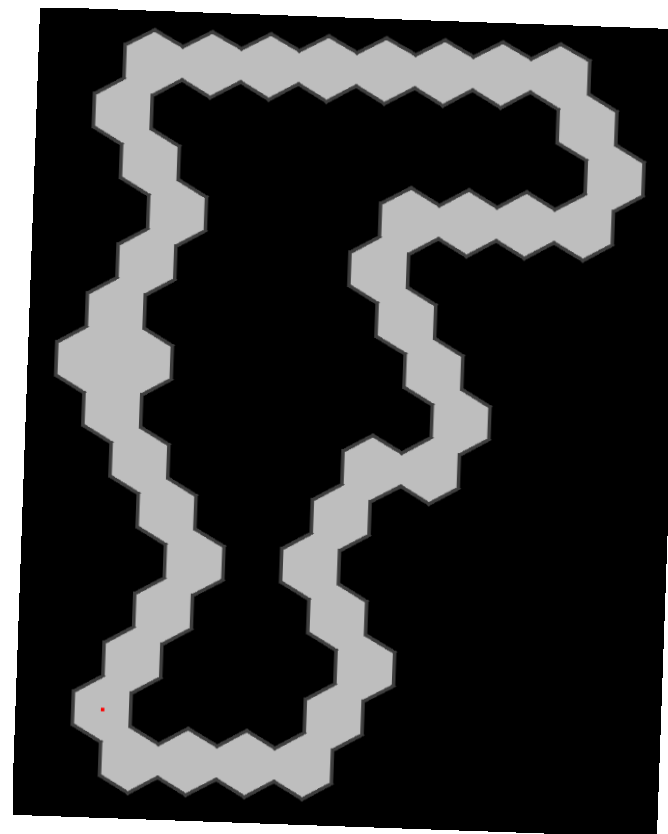
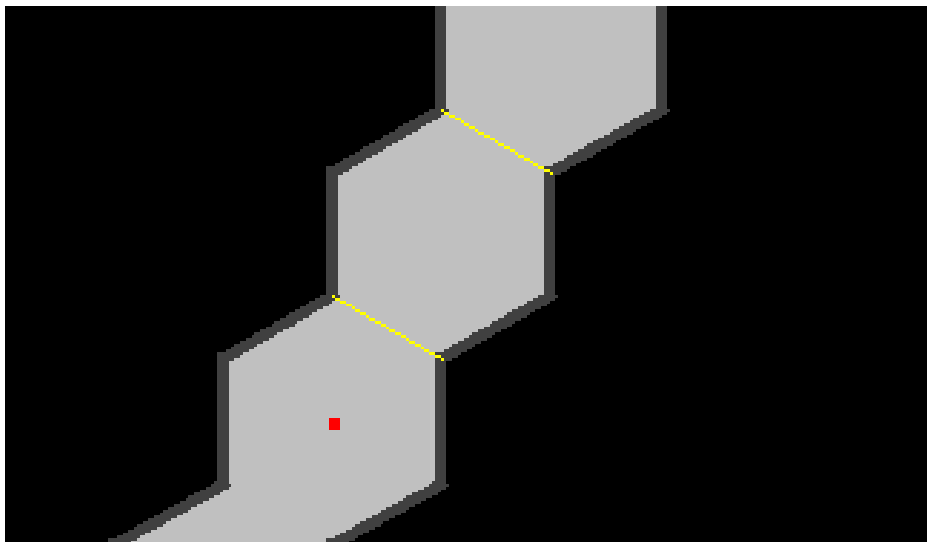


Ohranjanje inovacije

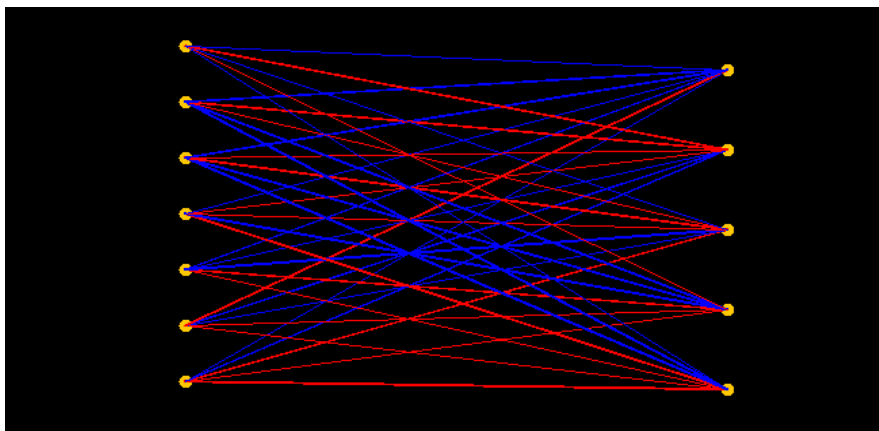
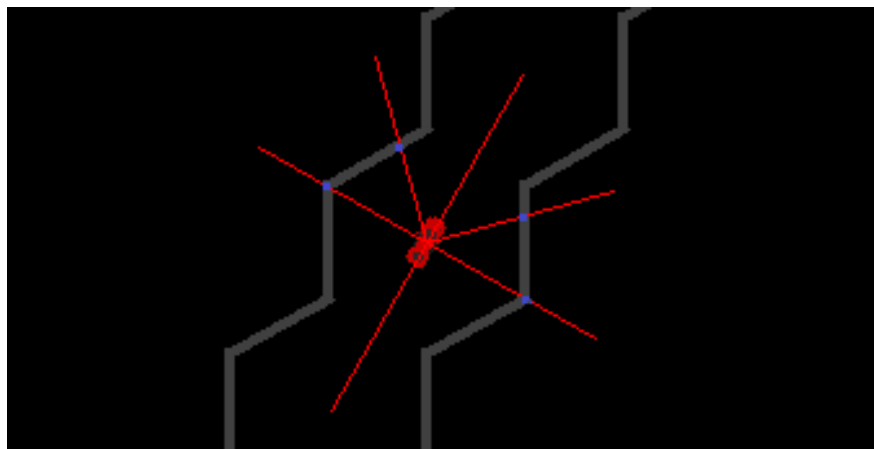
- ▶ Razporeditev v vrste
- ▶ Eksplicitno deljenje ocen



Implementacija - okolje

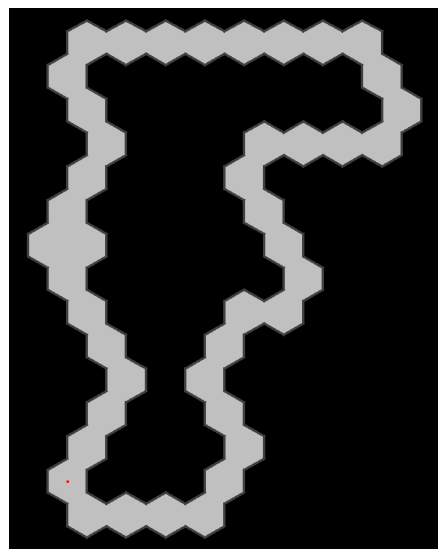
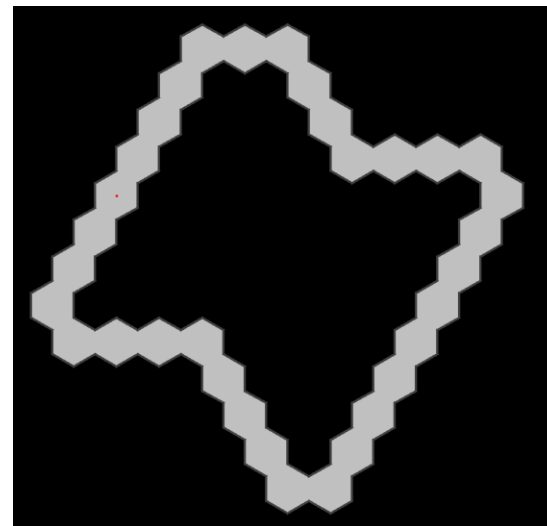
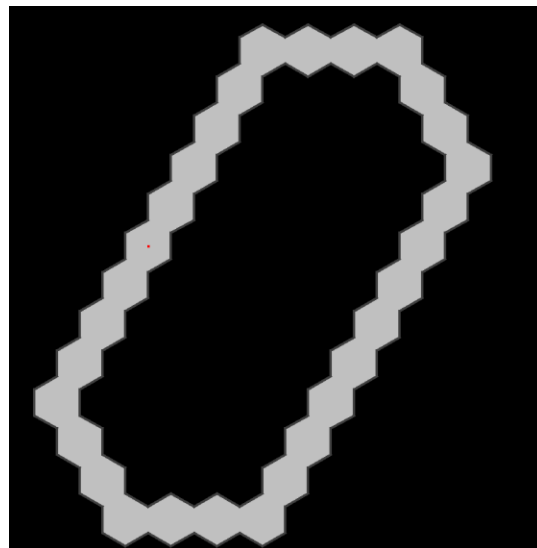


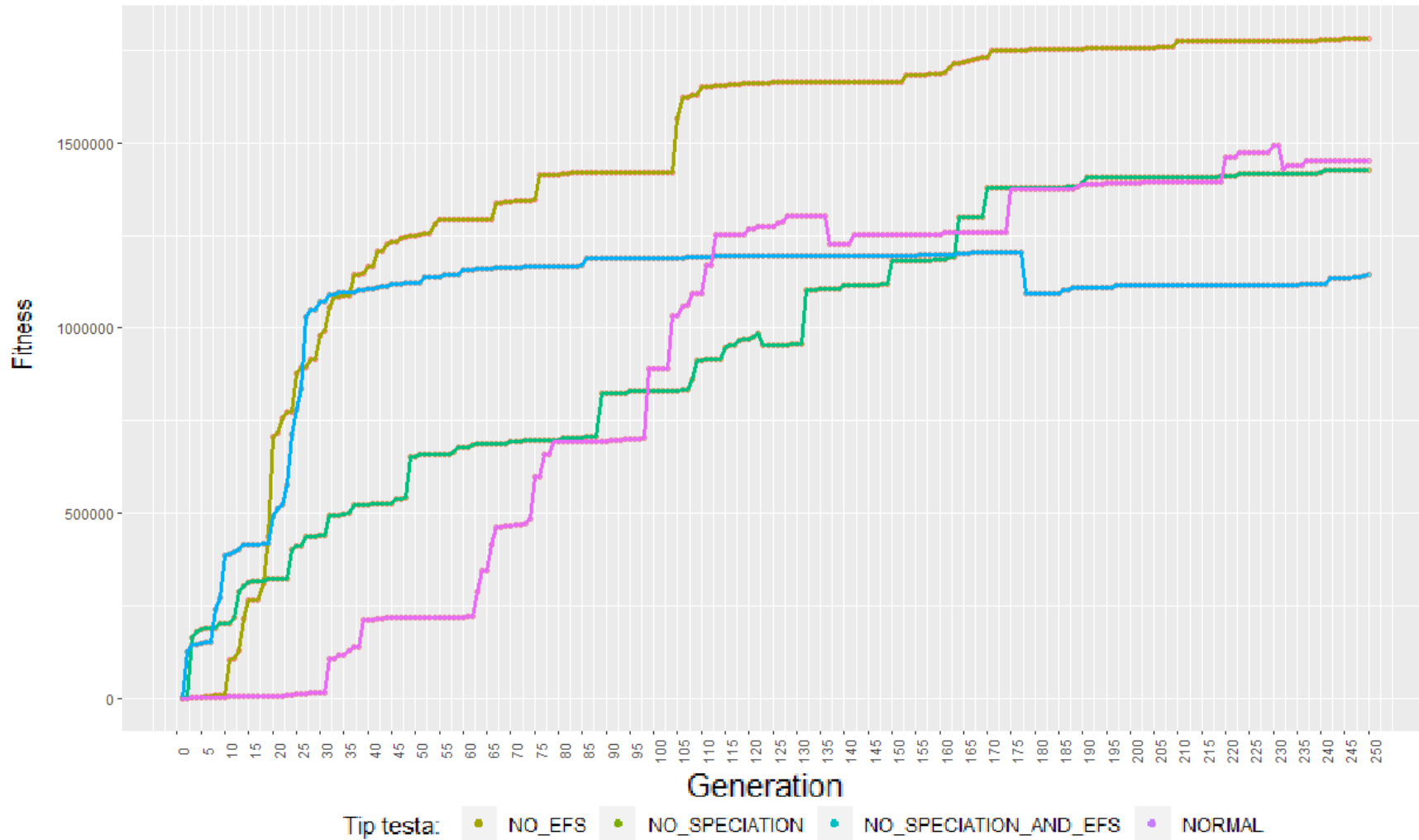
Implementacija - agent



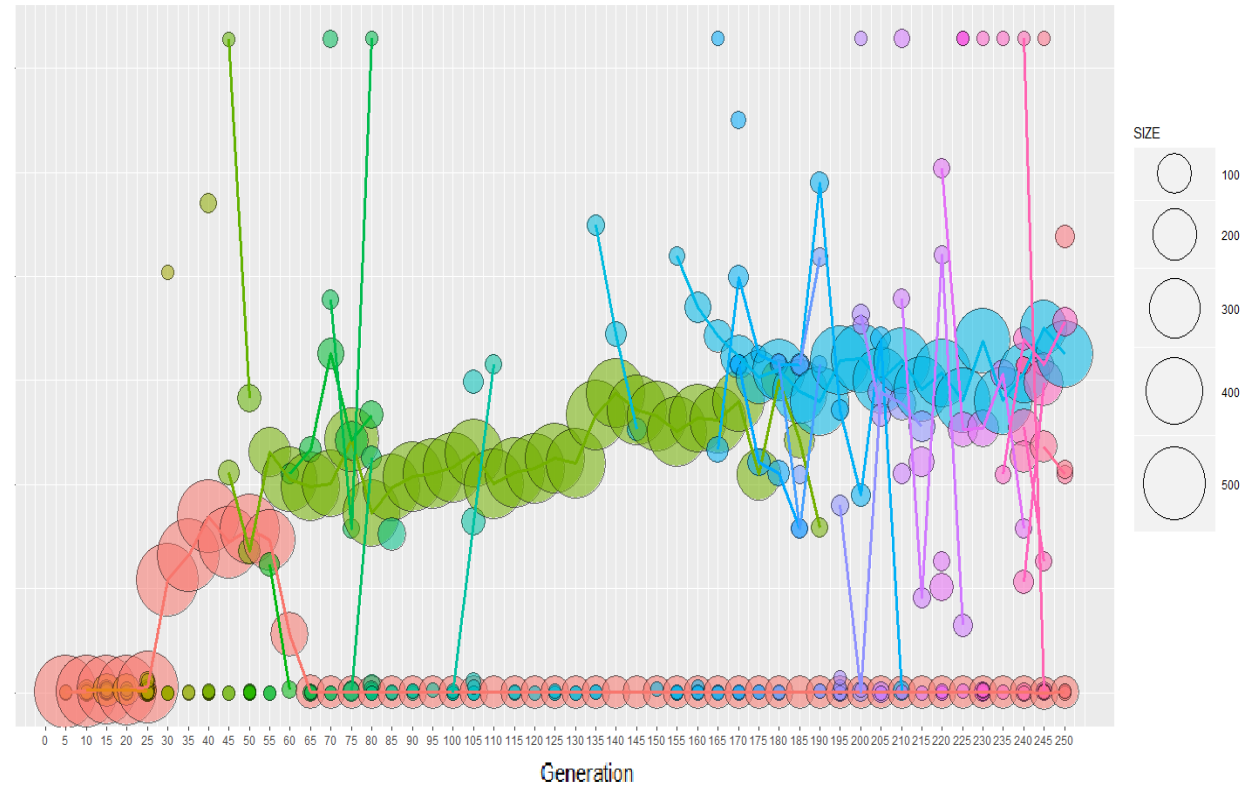
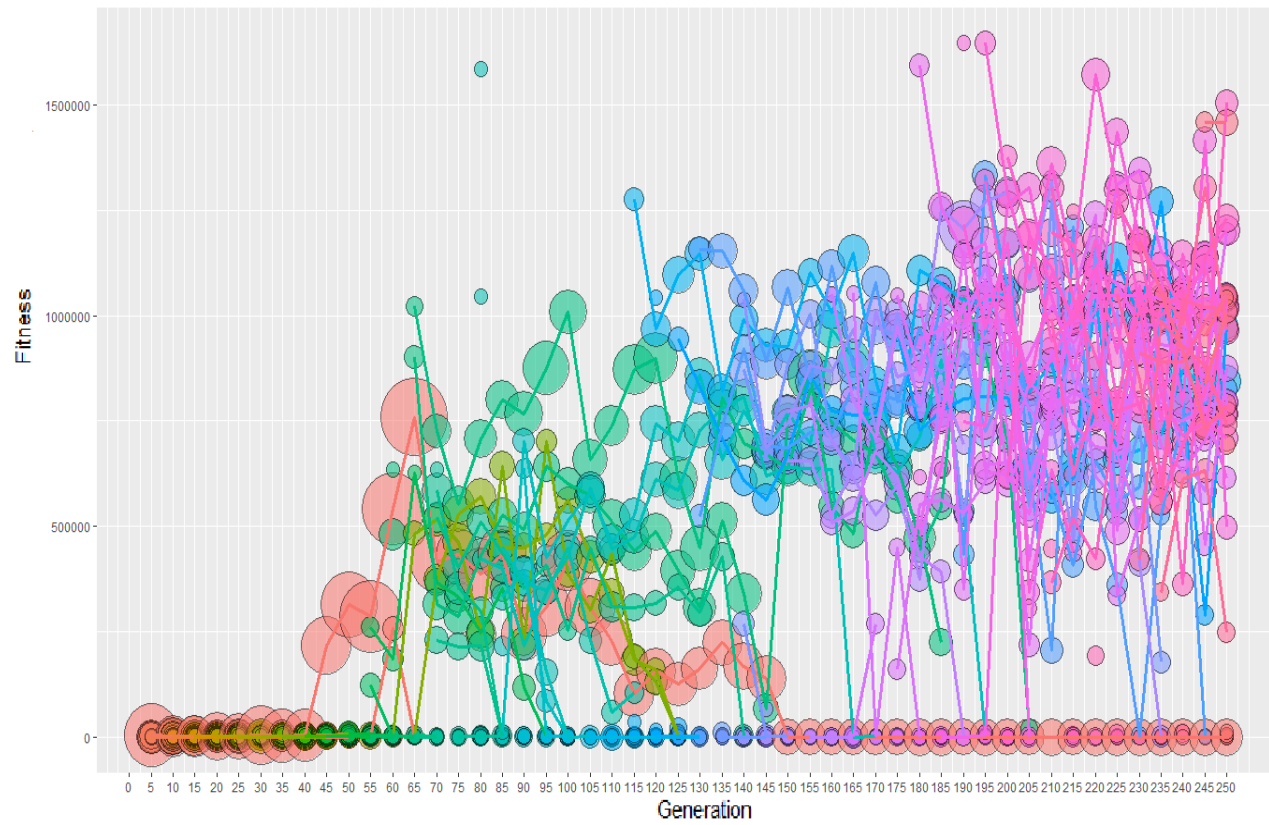
Testi

- ▶ Razporejanje v vrste
- ▶ Eksplicitno deljenje ocen





Rezultati



Rezultati

The background features abstract, overlapping green geometric shapes in various shades, including light lime green, medium green, and dark forest green. These shapes are primarily located on the right side of the frame, creating a modern, layered effect.

Hvala za pozornost!

<https://www.youtube.com/watch?v=0DOLMCxvxyk>