Tutorial 2.3 discussion

14th December 2021
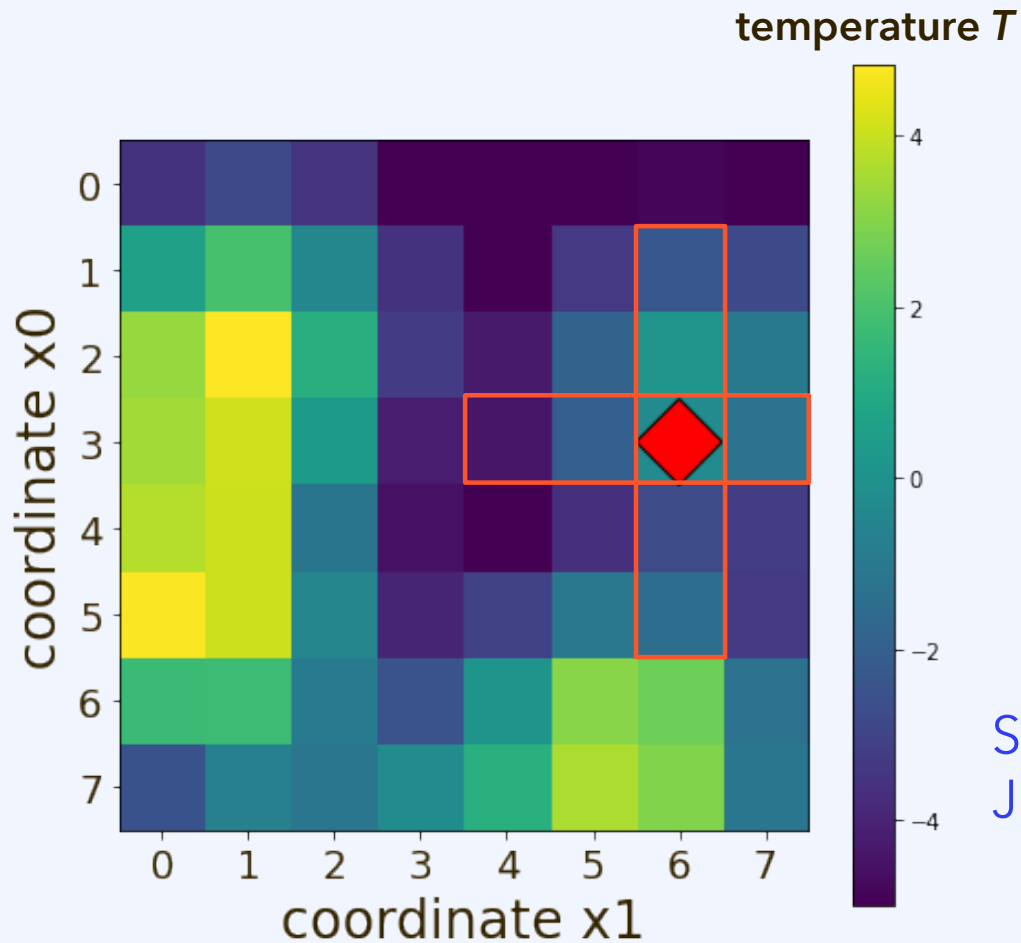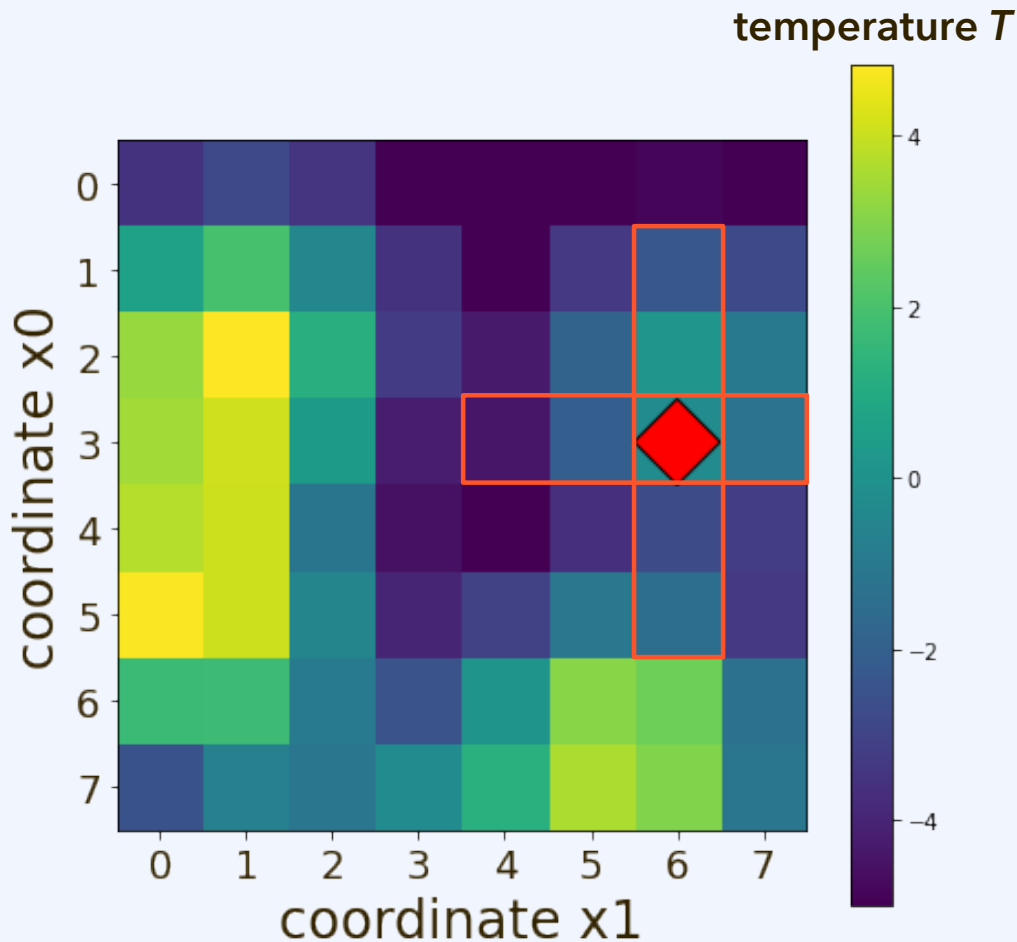
Agent escaping extreme temperatures

See **agent-function-evaluation** Jupyter Notebook.

Agent escaping extreme temperatures

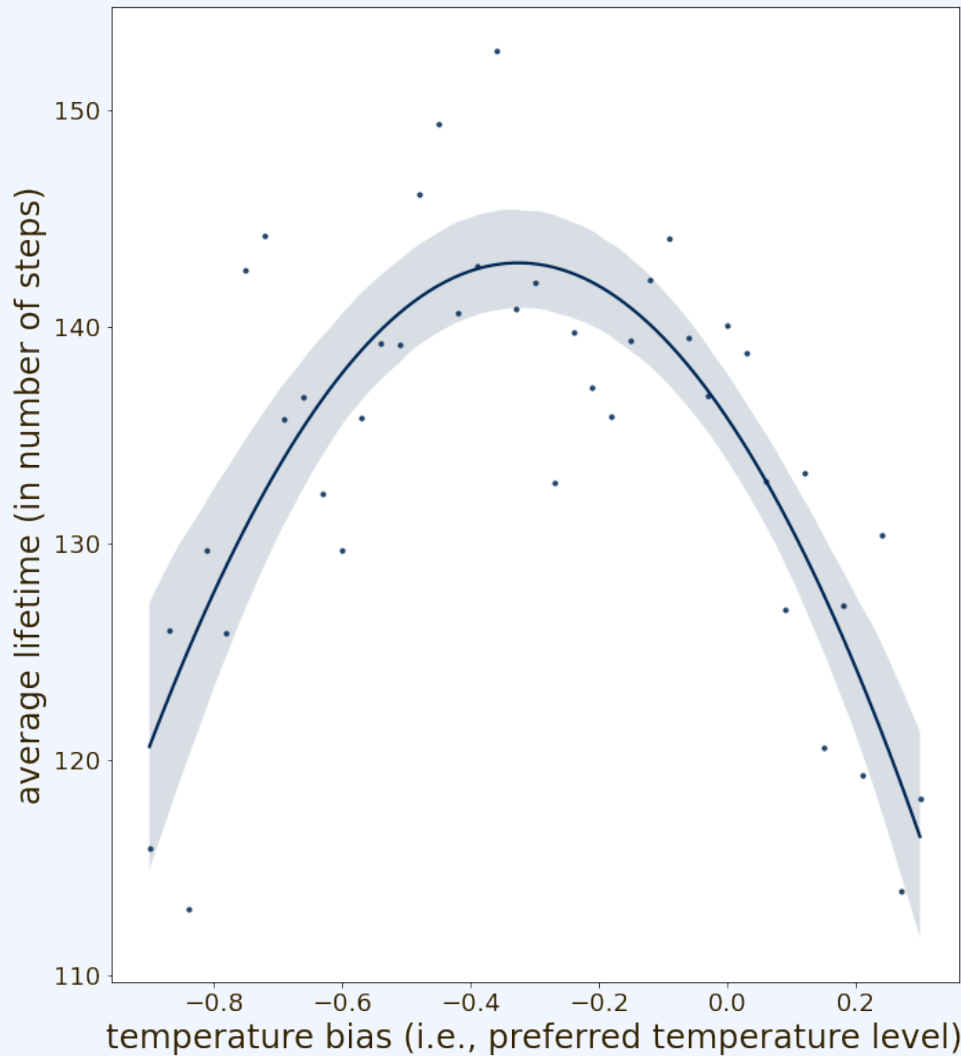
temperature T

coordinate x0

coordinate x1

Good and comparably simple agent function:

- Check which of the immediately adjacent fields have $|T|$ closest to zero.
- Go in that direction, or stay put if they all have a greater $|T|$ than the present location.

Average life time: 134 steps.

Agent escaping extreme temperatures

Agent function optimization, with one free parameter, yields:

- Check which of the immediately adjacent fields have | T + ⅓ | closest to zero.
- Go in that direction, or stay put if they all have a greater | T + ⅓ | than the present location.

Average life time: 146 steps.