

### Exercise set #8

Solution should be submitted in teams of two if possible. Due to the current COVID-19 pandemic please submit your solution online using the sciebo file-drop folder. The link will be available in ILIAS. Please submit a single zip file with the following naming scheme: `username1-username2.zip` (e.g. `jadoe101-jodoe108.zip`). Allowed file extensions (of files within the zip file) are: `.pdf`, `.txt`, `.py` and `.ipynb`. Make sure the total file size does not exceed 10 MB.

1. **Sarsa( $\lambda$ ) (programming task, from Sutton and Barto [1])**

Implement Sarsa( $\lambda$ ) with tile coding for the Mountain Car environment.

Follow the instructions in `exercises08.ipynb`.

*100 points*

## References

- [1] Richard S Sutton and Andrew G Barto. *Reinforcement Learning: An Introduction*. MIT press, 2018.