Artificial Intelligence (Spring 2019)

- Course Syllabus and Lecture Notes:
  1. Introduction to AI
  2. Uninformed Search
  3. Informed Search
  4. Constraint Satisfaction Problems (CSP)
  5. Beyond Classical Search
  6. Games
  7. Introduction to Game Theory
  8. Introduction to Machine Learning
  9. k-Nearest-Neighbor Algorithm
  10. Decision Trees
  11. Neural Networks Perceptron
  12. Neural Networks Multi-Layer Perceptrons
  13. Bayesian Learning
  14. Markov Decision Process
  15. Reinforcement Learning
  16. Advanced Topics in Artificial Intelligence

- Lectures: Sat 11-12:30, Tue 8-9:30
- Semester: **Start**: *13.11.1397* **End:** *16.03.1398*
- Information:
  - Webpage: rahmanidashti.github.io/znuai/
  - Telegram Channel: @znuai

Weeks	Date	Lecture
1	13.11.1397	*Introduction to AI*
	16.11.1397	*Introduction to AI*
2	**20.11.1397**	**Holiday**
	23.11.1397	*Uninformed Search*
3	27.11.1397	*Uninformed Search*
	30.11.1397	*Informed Search*
4	4.12.1397	*Informed Search*
	7.12.1397	*Constraint Satisfaction Problems (CSP)*
5	11.12.1397	*Beyond Classical Search*
	14.12.1397	*Beyond Classical Search*
6	18.12.1397	*Games*
	21.12.1397	*Intro. To Game Theory*
7	**25.12.1397**	**Holiday**
	28.12.1397	**Holiday**
8	17.01.1398	*Intro to Machine Learning*
	20.01.1398	*k-Nearest-Neighbor Algorithm*
9	24.01.1398	*k-Nearest-Neighbor Algorithm*
	27.01.1398	*Decision Tree*
10	31.01.1398	*Neural Networks*
	3.02.1398	*Neural Networks*
11	7.02.1398	*Neural Networks*
	10.02.1398	*Deep Learning*
12	14.02.1398	*Deep Learning*
	17.02.1398	Bayesian Learning

13	21.02.1398	*Markov Decision Process*
	24.02.1398	*Markov Decision Process*
14	28.02.1398	*Reinforcement Learning*
	31.02.1398	*Reinforcement Learning*
15	4.03.1398	*Advanced Topics in Artificial Intelligence (by TAs)*
	7.03.1398	*Advanced Topics in Artificial Intelligence (by TAs)*
16	11.03.1398	*Advanced Topics in Artificial Intelligence (by TAs)*
	14.03.1398	**Holiday**