

Social Networks & Recommendation Systems

I. Mathematical background: graph theory refresher.

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**European
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MSc program in Data Science has been developed
as a part of task 10 of the project
„NERW PW. Science - Education - Development - Cooperation”
co-funded by European Union from European Social Fund.

Project

- P1.1 Draw square lattice with your own implementation (not build-in in some library). [1.5P]
- P1.2 Draw chain with your own implementation (not build-in in some library). [1P]
- P1.3 Draw complete graph with your own implementation (not build-in in some library). [1P]
- P1.4 Draw weighted graph (any, but $N > 5$). [1P]
- P1.5 Draw directed graph (any, but $N > 5$). [1P]
- P1.6 Compute vertex degrees for one of the above graphs. [1P]



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