



# Pronalaženje skrivenog znanja

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# Uvod

- Cilj kursa (vežbe)
  - Upoznati se sa specifičnim oblastima veštačke inteligencije (DM i SW) i dostupnim tehnologijama, standardima i alatima.
- Način izvođenja vežbi
  - Slajdovi
  - Praktičan deo kroz nekoliko tutorijala i realizaciju domaćeg zadatka.



# Sadržaj

- Data Mining
  - Uvod u DM
  - Data preprocessing
  - DM Algoritmi
- Semantic Web
  - Uvod u SW
  - XML
  - RDF
  - OWL



# Ispit

- Projekat – 50 poena
- Usmeni deo ispita (u toku nastave) – 20 poena
- Pismeni deo ispita – 30 poena
  - Dozvoljena literatura - jedan papir A4 rukom ispisan



# Alati

- DM
  - SQL Server – Developer/Enterprise Edition (Business Intelligence Development Studio) ili RapidMiner, Weka, itd.
- SW
  - Protege 4.x (Reasoners - FACT++ ili Pellet)





# Literatura – Data Mining

- Knjiga
  - *Discovering Knowledge in Data: An Introduction to Data Mining* (Wiley, 2005) Larose D.
- Online materjali
  - Coursera – Machine Learning (Stanford)  
<https://www.coursera.org/course/ml>
  - Introduction to SQL Server 2008 Integration Services,  
[http://www.accelebrate.com/sql\\_training/ssis\\_2008\\_tutorial.htm](http://www.accelebrate.com/sql_training/ssis_2008_tutorial.htm)
  - SQL Server Data mining tutorial, Paul et al.
  - SQL Server Knowledge Base



# Literatura – Semantic Web

- Knjiga
  - Antoniou G., van Harmelen F. , *A Semantic Web Primer, Second Edition*, Cooperative Information Systems, The MIT Press, 2009
- Tutorijali:
  - Getting Started with Protege 4.x OWL,  
<http://protegewiki.stanford.edu/wiki/Protege4GettingStarted>
  - Horridge M., *A Practical Guide To Building OWL Ontologies Using Protege 4 and CO-ODE Tools*, Ed 1.2, 2009.  
<http://owl.cs.manchester.ac.uk/tutorials/protegeowltutorial/>
  - DL Query tab,  
<http://protegewiki.stanford.edu/wiki/DLQueryTab>



# Kontakt

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