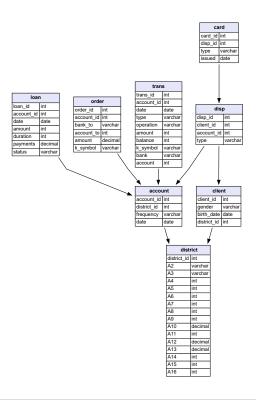RELATIONAL DATASET REPOSITORY   All Datasets | Contribute | Contact | Feature function | Statistics | About

Financial

Alternative names: loan application

PKDD'99 Financial dataset contains 606 successful and 76 not successful loans along with their information and transactions.

Original source: lisp.vse.cz (BibTeX)

Versions

Financial (by Jan Motl)

- ○ add foreign key constrains, separate "rodne cislo" into date of birth and gender

Financial_ijs (by Janez Kranjc)

Financial_std (by Oliver Schulte)

Dataset details

Associated task:	Classification	**Type:**	Real
Domain:	Financial	**Instance count:**	682
Data types:	Numeric, String, Temporal	**Target table:**	loan
Size:	78.8 MB	**Target column:**	status
Count of tables:	8	**Target ID:**	account_id
Count of rows:	1,090,086	**Target timestamp:**	date
Count of columns:	55		
Missing values:	Yes		
Compound keys:	No		
Loops:	Yes		

References

Results: full papers

Algorithms

Dataset version ▲	Target	Algorithm	Author text	Measure	Value
financial	status	Aleph	Constrained Sequential Pattern Knowledge in Multi-Relational Learning	Accuracy	0.71
financial	status	Aleph	Wordification: Propositionalization by unfolding relational data into ba…	Accuracy	0.8675
financial	status	CoTReC	Transductive Relational Classification in the Co-training Paradigm	Accuracy	0.8811
financial	status	CrossMine	A Heterogeneous Naive-Bayesian Classifier for Relational Databases	Accuracy	0.85

Show all algorithms

Dataset version ▲	Target	Algorithm	Author text	Measure	Value
financial	status	CrossMine	[ADMA 2010](#)	Accuracy	0.873
financial	status	CrossMine	[Efficient Classification across Multiple Database Relations: A CrossMi...](#)	Accuracy	0.895
financial	status	CrossMine	[Learning from Skewed Class Multi-relational Databases](#)	Accuracy	0.793
financial	status	CrossMine	[Relational Classification using Multiple View Approach with Voting](#)	Accuracy	0.903
financial	status	E-NB	[A Hierarchy of Independence Assumptions for Multi-relational Bayes ...](#)	F-measure	0.84
financial	status	E-NB	[A Hierarchy of Independence Assumptions for Multi-relational Bayes ...](#)	AUC ROC	0.85

[Show all algorithms](#)

How to download the dataset

The datasets are publicly available directly from MySQL database.

1. Open your favourite MySQL client (for example [MySQL Workbench](#))
2. Use following credentials:
   - hostname: relational.fit.cvut.cz
   - port: 3306
   - username: guest
   - password: relational
3. Export "financial" database (or other version of the dataset, if available) in your favourite format (e.g. CSV or SQL dump).