

ZeroR Classifier

- **ZeroR is the simplest classification method that relies on the target and ignores all predictors.**
- **ZeroR classifier simply predicts the majority category (class).**
- **ZeroR is useful for determining a baseline performance as a benchmark for other classification methods.**

ZeroR classifier as a benchmark

Benchmark=
 $700/1000 = 0.7$

Weka Explorer

Preprocess Classify Cluster Associate Select attributes Visualize

Open file... Open URL... Open DB... Generate... Undo Edit... Save...

Filter: Choose **None** Apply Stop

Current relation: Relation: german credit3-weka.filters.unsupervised.at... Instances: 1000 Attributes: 21 Sum of weights: 1000

Attributes: All None Invert Pattern

No.	Name
3	<input type="checkbox"/> credit_history
4	<input type="checkbox"/> purpose
5	<input type="checkbox"/> amount
6	<input type="checkbox"/> savings
7	<input type="checkbox"/> employment_duration
8	<input type="checkbox"/> installment_rate
9	<input type="checkbox"/> personal_status_sex
10	<input type="checkbox"/> other_debtors
11	<input type="checkbox"/> present_residence
12	<input type="checkbox"/> property
13	<input type="checkbox"/> age
14	<input type="checkbox"/> other_installment_plans
15	<input type="checkbox"/> housing
16	<input type="checkbox"/> number_credits
17	<input type="checkbox"/> job
18	<input type="checkbox"/> people_liable
19	<input type="checkbox"/> telephone
20	<input type="checkbox"/> foreign_worker
21	<input checked="" type="checkbox"/> credit_risk2

Remove

Selected attribute: Name: credit_risk2 Missing: 0 (0%) Distinct: 2 Type: Nominal Unique: 0 (0%)

No.	Label	Count	Weight
1	low risk	700	700
2	high risk	300	300

Class: credit_risk2 (Nom) Visualize All

Status: OK Log x 0