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x it's time for us to say farewell... Regretfully, we've made the tough decision to close Wikispaces. Find out why, and what will happen, here (http://blog.wikispaces.com)
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See also

The following code generates an Instances object and outputs it to stdout as ARFF file.

It generates the following types of attributes:

- numeric
- nominal
- string
- date
- relational

Example class AttTest:

import weka.core.Attribute;

import weka.core.FastVector;

import weka.core.Instance;

import weka.core.Instances;

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pace%2Fjoin) | Help (http://helpcenter.wikispaces. for his in thttps://www.wikispaces.com/site/signin?goto=https%3A%2F%2Fweka.wikispaces.com%2FCreating%2Ban%2BARFF%2Bfile) attValsRel.addElement("val5." + (i+1));

(http://blog.wikispaces.com)

dataRel = **new** Instances("att5", attsRel, 0); atts.addElement(**new** Attribute("att5", dataRel, 0));

```
// 2. create Instances object
data = new Instances("MyRelation", atts, 0);
// 3. fill with data
// first instance
vals = new double[data.numAttributes()];
// - numeric
vals[0] = Math.PI;
// - nominal
vals[1] = attVals.indexOf("val3");
// - string
vals[2] = data.attribute(2).addStringValue("This is a string!");
// - date
vals[3] = data.attribute(3).parseDate("2001-11-09");
// - relational
dataRel = new Instances(data.attribute(4).relation(), 0);
// -- first instance
valsRel = new double[2];
valsRel[0] = Math.PI + 1;
valsRel[1] = attValsRel.indexOf("val5.3");
dataRel.add(new Instance(1.0, valsRel));
// -- second instance
valsRel = new double[2];
valsRel[0] = Math.PI + 2;
valsRel[1] = attValsRel.indexOf("val5.2");
dataRel.add(new Instance(1.0, valsRel));
vals[4] = data.attribute(4).addRelation(dataRel);
// add
data.add(new Instance(1.0, vals));
// second instance
```

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(http://blog.wikispaces.com)

9 ★ It's time for us to say farewell... ★ University of the say // - nominal

```
vals[1] = attVals.indexOf("val1");
// - string
vals[2] = data.attribute(2).addStringValue("And another one!");
// - date
vals[3] = data.attribute(3).parseDate("2000-12-01");
// - relational
dataRel = new Instances(data.attribute(4).relation(), 0);
// -- first instance
valsRel = new double[2];
valsRel[0] = Math.E + 1;
valsRel[1] = attValsRel.indexOf("val5.4");
dataRel.add(new Instance(1.0, valsRel));
// -- second instance
valsRel = new double[2];
valsRel[0] = Math.E + 2;
valsRel[1] = attValsRel.indexOf("val5.1");
dataRel.add(new Instance(1.0, valsRel));
vals[4] = data.attribute(4).addRelation(dataRel);
// add
data.add(new Instance(1.0, vals));
// 4. output data
System.out.println(data);
```

Missing values

// - numeric

By default, a new double array will be initialized with 0s. In case you want to be a value missing at a certain position, you have to explicitly set the missing value via the missing Value() method of the weka.core.Instance class. In Weka > 3.7.1 Instance is an interface, so missing Value() moved into weka.core. Utils. In case you already have an existing

2018/4/1 weka - Creating an ARFF file pace%2Fioin) | Help (http://helpcenter.wikispacesa.6419-Instanga objest/whom.waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspaceiss.641/1/instanga/objest/waspace are examples, which set the **third** attribute to missing: ● X It's time for us to say farewell... Regrettylly, we've made the tough decision to close Wikispaces. Find out why, and what will happen, here (http://blog.wikispaces.com) double vals = ... // from somewhere, e.g., from AttTest.java example vals[2] = Instance.missingValue(); // or ... = Utils.missingValue() for Weka > 3.7.1 • weka.core.Instance object: double[] vals = ... // from somewhere, e.g., from AttTest.java example Instance inst = **new** Instance(1.0, vals); inst.setMissing(2); **Downloads** AttTest.java Details Download 3 KB (book , stable-3.6 , developer) the above class See also Save Instances to an ARFF File - if you want to save the data to a file instead of printing it to stdout Adding attributes to a dataset - shows how to add attributes to an existing dataset

ARFF format

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