

wikispaces.com/ | Sign In (http://www.wikispaces.com/site/signin?goto=http%3A%2F%2Fweka.wikispaces.com%2FCreating%2F



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)

- Wiki Home
- Recent Changes
- Pages and Files
- Members

Home  
All pages  
All tags  
All files  
Packages  
FAQ  
Not So FAQ  
Troubleshooting  
Learning Resources  
Mailing List

## Creating an ARFF file (/Creating+an+ARFF+file)

[Edit](#)[0 \(/Creating+an+ARFF+file#discussion\)](#)[6 \(/page/history/Creating+an+ARFF+file\)](#)[... \(/page/menu/Creating+an+ARFF+file\)](#)

### Table of Contents

[Missing values](#)[Downloads](#)[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;

/**
 * Generates a little ARFF file with different attribute typ
```

wikispaces.com/) | Sign In ([http://www.wikispaces.com/site/signin?goto=http%3A%2F%2Fweka.wikispaces.com%2FCreating%](http://www.wikispaces.com/site/signin?goto=http%3A%2F%2Fweka.wikispaces.com%2FCreating%2F)

**❗** **✖** It's time for us to say farewell...  
 Wikispaces. Find out why, and what will happen, here (<http://blog.wikispaces.com>)

Regretfully, we've made the tough decision to close

public class AttTest  
 public static void r

```
FastVector atts = new FastVector(10);
FastVector attVals = new FastVector(10);
Instances data = new Instances(10);
double[] attValsArray = new double[10];
int i;
```

```
// 1. set up attributes
atts = new FastVector(10);
// - numeric
atts.addElement(1);
// - nominal
attVals = new FastVector(10);
for (i = 0; i < 5; i++)
    attVals.addElement("a");
atts.addElement("a");
// - string
atts.addElement("b");
// - date
atts.addElement("2000-01-01");
// - relational
attsRel = new FastVector(10);
// -- numeric
attsRel.addElement(1);
// -- nominal
attValsRel = new FastVector(10);
for (i = 0; i < 5; i++)
    attValsRel.addElement("a");
attsRel.addElement("a");
dataRel = new Instances(10);
attsRel.addElement(1);

// 2. create Instances
data = new Instances(10);

// 3. fill with data
```

[wikispaces.com/](#)) | Sign In ([http://www.wikispaces.com/site/signin?goto=http%3A%2F%2Fweka.wikispaces.com%2FCreating%](http://www.wikispaces.com/site/signin?goto=http%3A%2F%2Fweka.wikispaces.com%2FCreating%2F)

**❗** **✖** 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>)

[wikispaces.com/](#) | [Sign In \(http://www.wikispaces.com/site/signin?goto=http%3A%2F%2Fweka.wikispaces.com%2FCreating%2F\)](#)

**ⓘ ×** 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>)

}

**Missing values**

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

[wikispaces.com/](http://weka.wikispaces.com/)) | Sign In ([http://www.wikispaces.com/site/signin?goto=http%3A%2F%2Fweka.wikispaces.com%2FCreating%](http://www.wikispaces.com/site/signin?goto=http%3A%2F%2Fweka.wikispaces.com%2FCreating%2F)

**❗** **✖** 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>)

have  
to  
explicitly  
set  
the  
missing  
value  
via  
the  
missingValue()  
method  
of  
the  
weka.core.Instance  
class.  
In  
Weka  
>  
3.7.1  
Instance  
is  
an  
interface,  
so  
missingValue()  
moved  
into  
weka.core.Utils.  
In  
case  
you  
already  
have  
an  
existing  
weka.core.Instance  
object,  
then  
you  
use  
its  
setMissing(int)  
method,

wikispaces.com/) | Sign In (http://www.wikispaces.com/site/signin?goto=http%3A%2F%2Fweka.wikispaces.com%2FCreating%

❗ **✖** 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)

which  
sets  
a  
missing  
value  
at  
the  
given  
position.  
Here  
are  
examples,  
which  
set  
the  
**third**  
attribute  
to  
missing:

- double  
array:

d  
v

- weka.core.Instance  
object:

d  
It  
in

Downloads



**AttTest.java**  
[Details](#) [Download](#) 3 KB

- ([book](#) ,  
[stable-3.6](#) ,



the  
above  
regretfully, w  
class  
t will happen

**❗** **✖** It's time for us to say farewell... <sup>above</sup>Regrettably, we've made the tough decision to close <sup>class</sup>Wikispaces. Find out why, and what will happen, here (<http://blog.wikispaces.com>)

**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

wikispaces.com/) | Sign In (http://www.wikispaces.com/site/signin?goto=http%3A%2F%2Fweka.wikispaces.com%2FCreating%2Fan+existing+dataset+in+ARFF+format)

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

[Help](#) · [About](#) · [Pricing](#) · [Privacy](#) · [Terms](#) · [Support](#) · [Upgrade](#)

Contributions to <http://weka.wikispaces.com/> are licensed under a Creative Commons Attribution Share-Alike 3.0 License.



Portions not contributed by visitors are Copyright 2018 Tangient LLC

TES: The largest network of teachers in the world