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# Task: Plot RadViz 3d and visualize 12 datasets

```
library(radviz3d)
## Loading required package: rgl
```

## 1. IRIS dataset

## 2. Wine dataset

```
## Warning in rgl.texts(x = structure(c(-0.327561943915561, 0.0645211973767441, : ## "bitmap" family only supports font 1
```

#### 3. Adult dataset

```
adult <- read.csv(url("http://archive.ics.uci.edu/ml/machine-learning-databases/adult/adult.data"), he
names(adult) <- c("age", "workclass", "fnlwgt", "education", "education-num", "marital_status", "occupa
adult$workclass <- as.numeric(factor(adult$workclass))
adult$education <- as.numeric(factor(adult$education))</pre>
```

#### 4. Abalone dataset

## 5. Forest Fire dataset

# 6. Car evaluation dataset

```
car <- read.csv(url("http://archive.ics.uci.edu/ml/machine-learning-databases/car/car.data"), header =
names(car) <- c( "buying", "maint", "doors", "persons", "lug_boot", "safety", "result")

car$buying <- as.numeric(factor(car$buying))
car$maint <- as.numeric(factor(car$maint))
car$doors <- as.numeric(factor(car$doors))
car$lug_boot <- as.numeric(factor(car$lug_boot))</pre>
```

# 7. Wine Quality dataset

### 8. Heart disease dataset

### 9. Bank dataset

```
bank <- read.csv("./bank-full.csv", sep=";", header = TRUE)
#head(bank)
bank$job <- as.numeric(factor(bank$job))
bank$marital <- as.numeric(factor(bank$marital))
bank$education <- as.numeric(factor(bank$education))
bank$default <- as.numeric(factor(bank$default))
bank$housing <- as.numeric(factor(bank$housing))
bank$loan <- as.numeric(factor(bank$loan))
bank$contact <- as.numeric(factor(bank$contact))</pre>
```

# 10. Student Performance dataset

# 11. Activity monitoring dataset

## "bitmap" family only supports font 1

#### 12. Breast cancer dataset

```
cancer <- read.csv(url("http://archive.ics.uci.edu/ml/machine-learning-databases/breast-cancer-wisconsiz
names(cancer) <- c( "ID", "radius", "texture", "perimeter", "area", "smoothness", "compactness", "concaccancer$compactness <- as.numeric(factor(cancer$compactness))
#head(cancer)
radialvis3d(data = cancer[, 1:10], cl = factor(cancer$fractal_dimension), domrp = F, npc = 3,doGtrans =</pre>
```