

Interactive Dendrograms: The R Packages idendro and idendr0

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Hierarchiczna analiza skupień

- ▶ klaster?

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- ▶ klaster?
- ▶ dendrogram?
- ▶ procedura aglomeracyjna?

Dane

- ▶ repozytorium UCI
- ▶ dane z sieci hurtowni
- ▶ 440 obserwacji (ograniczymy się do 100)
- ▶ 3 klasy
- ▶ 6 zmiennych

Dane

Regi	Fres	Milk	Groc	Froz	Dete	Deli
3	19219	1840	1658	8195	349	483
3	2771	6939	15541	2693	6600	1115
3	3157	4888	2500	4477	273	2165
3	11635	922	1614	2583	192	1068
3	6633	2096	4563	1389	1860	1892
3	7780	2495	9464	669	2518	501

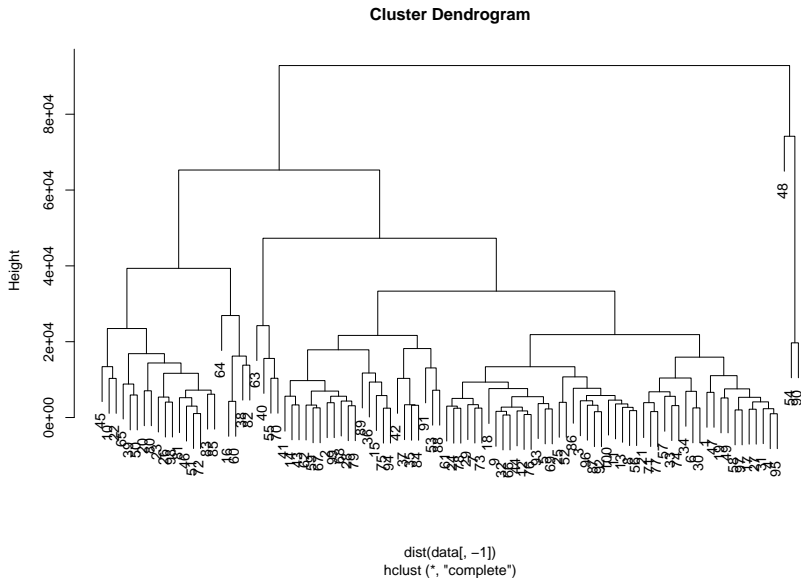
Bazowy R

```
hc <- hclust(dist(data[, -1]))  
hc
```

```
##  
## Call:  
## hclust(d = dist(data[, -1]))  
##  
## Cluster method      : complete  
## Distance            : euclidean  
## Number of objects: 100
```

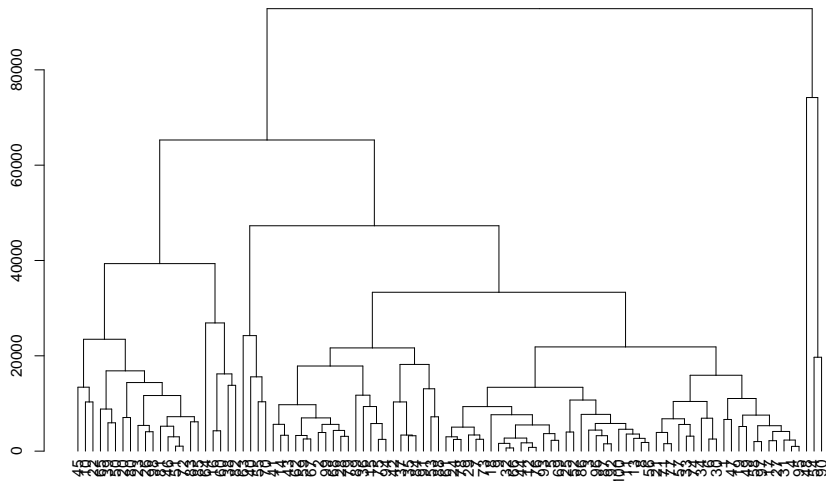
Bazowy R

```
plot(hc)
```



Bazowy R

```
plot(as.dendrogram(hc))
```



idendro vs idendr0

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idendro

- ▶ Qt (qtbase, qtpaint)
- ▶ cranvas

idendro vs idendr0

idendro

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- ▶ cranvas

idendr0

- ▶ Tcl/Tk (tcltk)
- ▶ GGobi (rggobi)