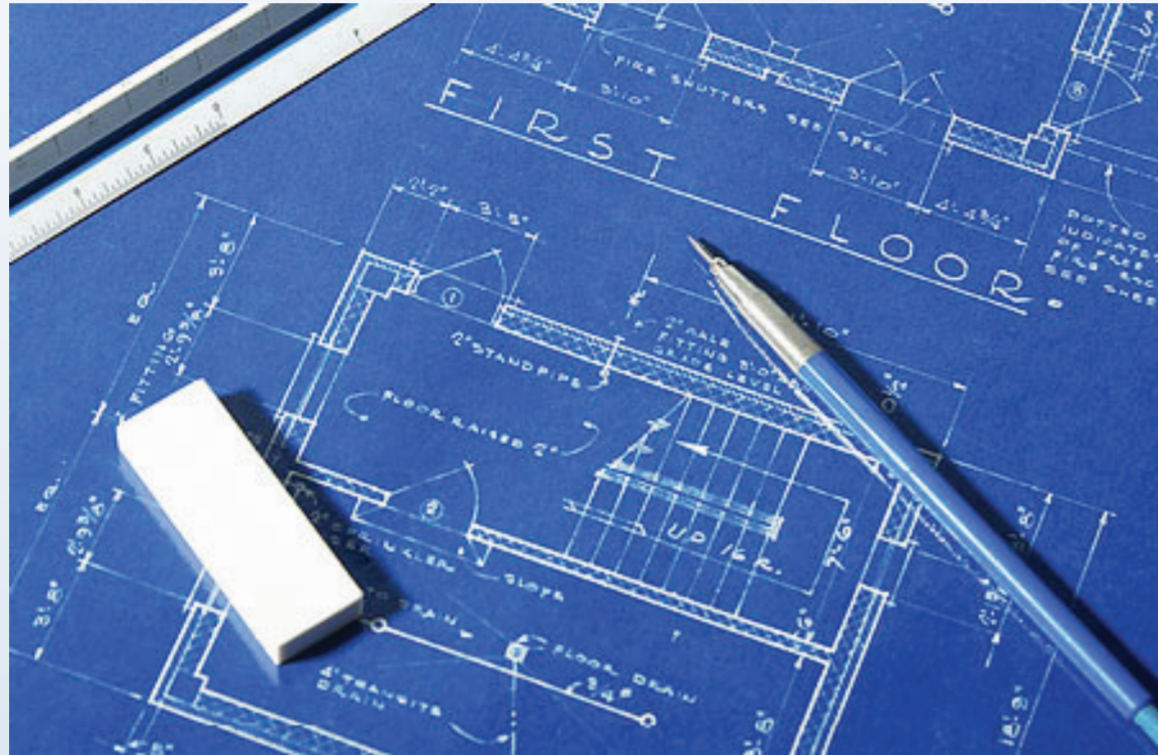


# Network Planning of a VoIP-Capable PBX

The use of data profiling techniques for an efficient network planning

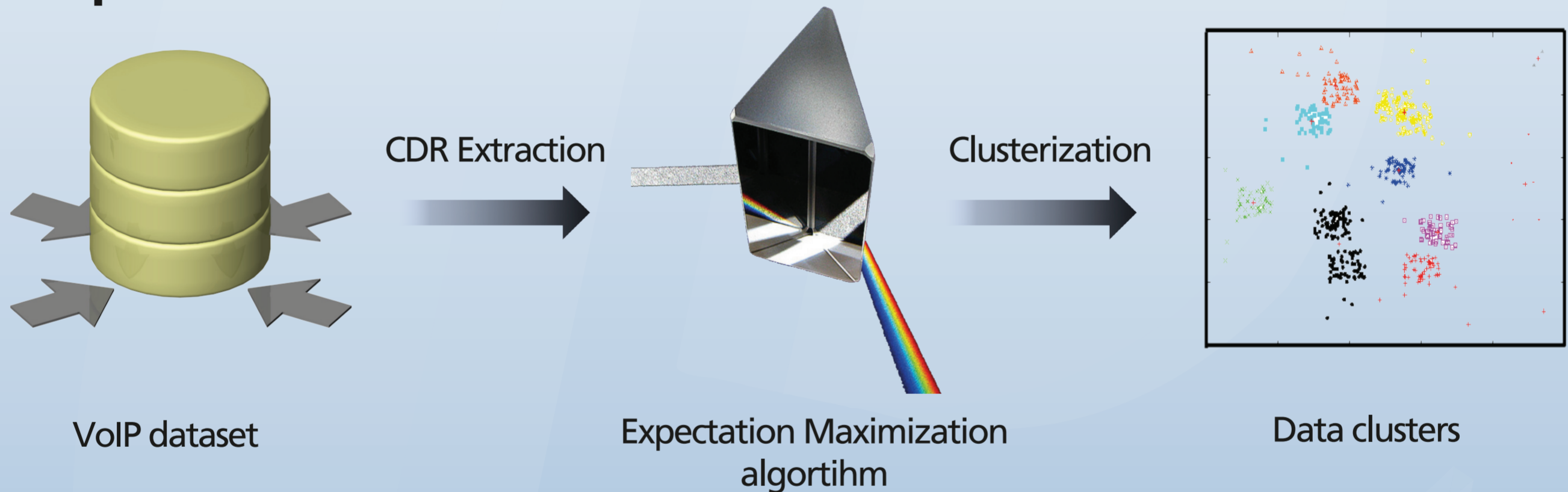
## ▸ Network Planning



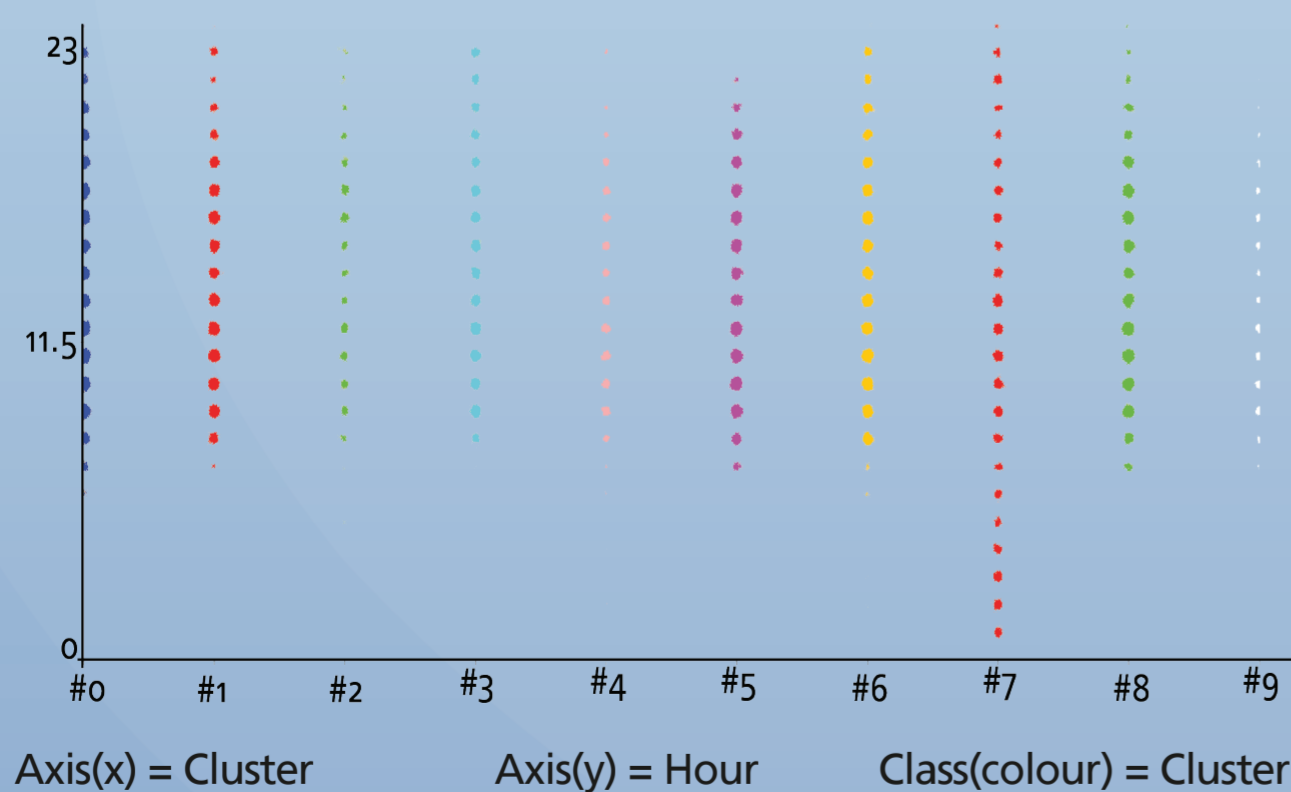
Traditionally, Network administrators have used data profiles to group user requirements

These user profiles were defined by means of expert knowledge

## ▸ Experiment Overview



## ▸ Interpretation of Results



It is possible to perform data profiling using clustering algorithms

The resulting network planning improvements help obtaining significant savings



**Eng. Igor Ruiz-Agundez**  
igor.ira@deusto.es



**Dr. Yoseba K. Peña**  
yoseba.pena@deusto.es



**Dr. Pablo G. Bringas**  
pablo.garcia.bringas@deusto.es