1 - age (numeric)  
2 - job : type of job (categorical: 'admin.','blue-collar','entrepreneur','housemaid','management','retired','self-employed','services','student','technician','unemployed','unknown')  
3 - marital : marital status (categorical: 'divorced','married','single','unknown'; note: 'divorced' means divorced or widowed)  
4 - education (categorical: 'basic.4y','basic.6y','basic.9y','high.school','illiterate','professional.course','university.degree','unknown')  
5 - default: has credit in default? (categorical: 'no','yes','unknown')  
6 - housing: has housing loan? (categorical: 'no','yes','unknown')  
7 - loan: has personal loan? (categorical: 'no','yes','unknown')  
# related with the last contact of the current campaign:  
8 - contact: contact communication type (categorical: 'cellular','telephone')  
9 - date: last contact date  
10 - duration: last contact duration, in seconds (numeric). Important note: this attribute highly affects the output target (e.g., if duration=0 then y='no'). Yet, the duration is not known before a call is performed. Also, after the end of the call y is obviously known. Thus, this input should only be included for benchmark purposes and should be discarded if the intention is to have a realistic predictive model.  
# other attributes:  
11 - campaign: number of contacts performed during this campaign and for this client (numeric, includes last contact)  
12 - pdays: number of days that passed by after the client was last contacted from a previous campaign (numeric; 999 means client was not previously contacted)  
13 - previous: number of contacts performed before this campaign and for this client (numeric)  
14 - poutcome: outcome of the previous marketing campaign (categorical: 'failure','nonexistent','success')

15- Purchased? - has the client subscribed a term deposit? (binary: 'yes','no')