

```

"patient_id","age","gender","diagnosis","bmi","smoker"
"Poo1",34,"Male","Cancer",22.5,"Yes"
"Poo2",28,"Female","Normal",20.5,"No"
"Poo3",45,"Female","Cancer",26.7,"Yes"
"Poo4",39,"Male","Normal ", 23.8,"No"
"Poo5",50,"Female","Cancer",27.1,"Yes"
"Poo6",30,"Male","Normal",21.9,"No"
"Poo7",41,"Female","Cancer",25.4,"Yes"
"Poo8",36,"Female","Normal",24.2,"No"
"Poo9",55,"Male","Cancer",28.6,"Yes"
"Po10",29,"Female","Normal",19.8,"No"
"Po11",48,"Male","Normal",24.7,"No"
"Po12",33,"Female","Cancer",22.1,"Yes"
"Po13",42,"Female","Cancer",27.9,"Yes"
"Po14",31,"Male","Normal",23.5,"No"
"Po15",38,"Female","Cancer",26.1,"Yes"
"Po16",53,"Male","Cancer",28,"Yes"
"Po17",26,"Female","Normal",21,"No"
"Po18",46,"Male","Cancer",25.6,"Yes"

```

```

# convert height into Factor
data$height_fac <-as.character.factor(data$height)
"Po19",40,"Female","Normal",22.9,"No"
"Po20",35,"Male","Cancer",24.3,"Yes"

```