

```

data trans3;input trat numero porcento acar0;raiz= sqrt(numero);
arcoseno= arsin(sqrt(porcento/100));ln= log(acar0);
cards;
1 9 10 20
1 7 12 14
1 5 9 9
1 10 11 24
1 4 10 7
1 6 12 12
1 11 13 28
2 7 22 14
2 14 23 45
2 13 18 36
2 11 20 30
2 13 18 35
2 18 22 70
2 10 20 25
3 20 52 85
3 18 54 65
3 15 47 48
3 20 48 90
3 20 52 87
3 19 52 80
3 10 47 25
;
proc print; run;
proc glm data=trans3;
class trat;
model numero raiz porcento arcoseno acar0 ln=trat;
means trat;
output out=saida1 r=rn rr rp rar rac rln;
run;

proc glm data=saida1;
class trat;
model rn rr rp rar rac rln=trat;
means trat/hovtest;
run;
PROC TRANSREG DATA=trans3;
MODEL BOXCOX(numero)=IDENTITY (TRAT) ;
RUN;
PROC TRANSREG DATA=trans3;
MODEL BOXCOX(raiz)=IDENTITY (TRAT) ;
RUN;

PROC TRANSREG DATA=trans3;
MODEL BOXCOX(porcento)=IDENTITY (TRAT) ;
RUN;
PROC TRANSREG DATA=trans3;
MODEL BOXCOX(arcoseno)=IDENTITY (TRAT) ;
RUN;
PROC TRANSREG DATA=trans3;
MODEL BOXCOX(acar0)=IDENTITY (TRAT) ;
RUN;

PROC TRANSREG DATA=trans3;
MODEL BOXCOX(ln)=IDENTITY (TRAT) ;

```

```
RUN;  
** TESTES NORMALIDADE DOS ERROS;  
PROC UNIVARIATE NORMAL PLOT DATA=SAIDA1;  
VAR rn rr rp rar rac rln;  
RUN;
```