Les tests statistiques en pratique : test de la nullité d'un coefficient de corrélation, divers

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```
> cor.test(smp.c$age,smp.c$rs)

        Pearson's product-moment correlation

data:  smp.c$age and smp.c$rs
t = -6.02, df = 694, p-value = 2.825e-09
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 -0.2922516 -0.1509579
sample estimates:
       cor
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Corrélation des rangs de Spearman

```
> cor.test(smp.c$age,smp.c$rs,method="spearman")

        Spearman's rank correlation rho

data:  smp.c$age and smp.c$rs
S = 68742508, p-value = 2.567e-09
alternative hypothesis: true rho is not equal to 0
sample estimates:
       rho
-0.2233474

Message d'avis :
In cor.test.default(smp.c$age, smp.c$rs, method = "spearman")
:
  Impossible de calculer la p-value exacte avec des ex-aequos
```

- Comparaison d'une moyenne à une référence

```
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- Tests appariés
  - McNemar

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> mcnemar.test(b.debut, b.fin)
```

  - t de Student

```
> t.test(x.debut, x.fin, paired=TRUE)
```

```
cor.test(smp.c$age,smp.c$rs)
cor.test(smp.c$age,smp.c$rs,method="spearman")
```