CS - Test

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R Markdown

```
data(Tiramitsu)
DF <- Tiramitsu
#kable(str(DF))
```

CS ill - mousse

```
CS(DF, "ill", "mousse", exact = FALSE)
```

```
## $t1
## [1] "CS"
##
## $DF1
##           Cases Non Cases Total      Risk
## Exposed      81        42   123 0.6585366
## Unexposed    22       144   166 0.1325301
## Total       103       186   289 0.3564014
##
## $DF2
##                  Point estimate  95%CI ll  95%CI ul
## Risk difference      0.5260065 0.4276007 0.6244122
## Risk ratio           4.9689579 3.2993783 7.4833923
## Attr. frac. ex.      0.7987506 0.6969126 0.8663708
## Attr. frac. pop      0.6281436        NA        NA
## chi2(1)             85.2202958        NA        NA
## Pr>chi2              0.0000000        NA        NA
##
## $st
## $st$risk_difference
## $st$risk_difference$point_estimate
## [1] 0.5260065
##
## $st$risk_difference$CI95Low
## [1] 0.4276007
##
## $st$risk_difference$CI95Hight
## [1] 0.6244122
##
##
## $st$risk_ratio
## $st$risk_ratio$point_estimate
## [1] 4.968958
##
## $st$risk_ratio$CI95Low
## [1] 3.299378
##
## $st$risk_ratio$CI95Hight
## [1] 7.483392
##
##
## $st$Attr.frac.ex
## $st$Attr.frac.ex$point_estimate
## [1] 0.7987506
##
## $st$Attr.frac.ex$CI95Low
## [1] 0.6969126
##
## $st$Attr.frac.ex$CI95High
## [1] 0.8663708
```

```
##
##
## $st$Attr.frac.pop
## [1] 0.6281436
##
## $st$chi2
## [1] 85.2203
##
## $st$p.chi2
## [1] 0
##
## $st$fisher.p.value
## [1] NA
##
##
## attr(,"class")
## [1] "EPI_CS"
```

CS ill - beer

```
result <- CS(DF, "ill", "beer", exact = TRUE)
kable(result$DF1)
```

	Cases	Non Cases	Total	Risk
Exposed	30	76	106	0.2830189
Unexposed	69	96	165	0.4181818
Total	99	172	271	0.3653137

```
kable(result$DF2)
```

	Point estimate	95%CI ll	95%CI ul
Risk difference	-0.1351630	-0.2492631	-0.0210628
Risk ratio	0.6767842	0.4757657	0.9627363
Prev. frac. ex.	0.3232158	0.0372637	0.5242343
Prev. frac. pop	0.1264239	NA	NA
chi2(1)	5.0852322	NA	NA
Pr>chi2	0.0241304	NA	NA
Fisher p.value	0.0280600	NA	NA

```
result$st
```

```
## $risk_difference
## $risk_difference$point_estimate
## [1] -0.135163
##
## $risk_difference$CI95Low
## [1] -0.2492631
##
## $risk_difference$CI95Hight
## [1] -0.02106279
##
##
## $risk_ratio
## $risk_ratio$point_estimate
## [1] 0.6767842
##
## $risk_ratio$CI95Low
## [1] 0.4757657
##
## $risk_ratio$CI95Hight
## [1] 0.9627363
##
##
## $Prev.frac.ex
## $Prev.frac.ex$point_estimate
## [1] 0.3232158
##
## $Prev.frac.ex$CI95Low
## [1] 0.03726375
```

```
##
## $Prev.frac.ex$CI95High
## [1] 0.5242343
##
##
## $Prev.frac.pop
## [1] 0.1264239
##
## $chi2
## [1] 5.085232
##
## $p.chi2
## [1] 0.02413045
##
## $fisher.p.value
## [1] 0.02806394
```