

A demo of the KableOne package. First, make the table:

```
suppressPackageStartupMessages(  
  {  
    library(labelled)  
    library(tidyverse)  
    library(magrittr)  
    library(survival)  
    library(kableExtra)  
    library(KableOne)  
  }  
)  
  
## Warning: package 'labelled' was built under R version 3.5.3  
## Warning: package 'tidyr' was built under R version 3.5.3  
## Warning: package 'purrr' was built under R version 3.5.3  
  
tbl_one = pbc %>%  
  as_tibble() %>%  
  dplyr::select(  
    age, sex, status, trt, stage, ascites, bili, edema, albumin  
  ) %>%  
  dplyr::mutate(  
    status=factor(  
      status, levels = c(0:2),  
      labels = c("Censored", "Transplant", "Dead")  
    ),  
    stage = factor(  
      stage, levels = c(1:4),  
      labels = c("One", "Two", "Three", "Four")  
    ),  
    trt=factor(  
      trt, levels=c(1:2),  
      labels = c("Drug A", "Drug B")  
    ),  
    ascites=factor(  
      ascites, levels=c(0:1),  
      labels = c("No", "Yes")  
    ),  
    sex = fct_recode(  
      sex,  
      'Male'='m',  
      'Female'='f'  
    ),  
    edema = factor(  
      edema,
```

```

      levels=c(0, 0.5, 1),
      labels=c("None", "A little", "Lots")
    )
  ) %>%
  set_variable_labels(
    status = "Status at last contact",
    trt = "Treatment group",
    age = 'Age, years',
    sex = 'Sex at birth',
    ascites = 'Ascites',
    bili = 'Bilirubin levels, mg/dl',
    edema = 'Is there Edema?'
  ) %>%
  set_variable_groups(
    Outcomes = c('status'),
    Exposures = c('ascites','bili','edema','trt','albumin','stage')
  ) %>%
  tibble_one(
    strat='trt',
    include.allcats = TRUE,
    include.freq = FALSE,
    include.pval = TRUE
  )

```

Print the table:

```

kibble_one(
  tbl_one,
  use.groups = TRUE,
  format = 'latex',
  booktabs = TRUE,
  escape=FALSE,
  linesep=' '
) %>%
  kable_styling(
    position = 'center'
  ) %>%
  column_spec(1, width = "4cm")

```

	Overall	Treatment group		P-value
		Drug A	Drug B	
No. of observations	418	158	154	
Age, years	50.7 (10.4)	51.4 (11.0)	48.6 (9.96)	0.018
Sex at birth				0.421
Male	10.5	13.3	9.74	
Female	89.5	86.7	90.3	
Exposures				
Stage				0.201
One	5.10	7.59	2.60	
Two	22.3	22.2	20.8	
Three	37.6	35.4	41.6	
Four	35.0	34.8	35.1	
Ascites				0.567
No	92.3	91.1	93.5	
Yes	7.69	8.86	6.49	
Bilirubin levels, mg/dl	3.22 (4.41)	2.87 (3.63)	3.65 (5.28)	0.133
Is there Edema?				0.877
None	84.7	83.5	85.1	
A little	10.5	10.1	8.44	
Lots	4.78	6.33	6.49	
Albumin	3.50 (0.42)	3.52 (0.44)	3.52 (0.40)	0.874
Outcomes				
Status at last contact				0.894
Censored	55.5	52.5	55.2	
Transplant	5.98	6.33	5.84	
Dead	38.5	41.1	39.0	