Forest_Plot

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Load packages

```
library(ggplot2)
library(ggpubr)
```

Sex

Create data frame with effect sizes and confidence intervals for each level of effect modification variable of interest

```
a_sex<-data.frame(SEX=c(0, 1),index=1:2, Effect=c(100.47, 100.21), lower=c(100.10, 99.86), upper=c(100.8
```

Assumes 0 = Female and 1 = Male.

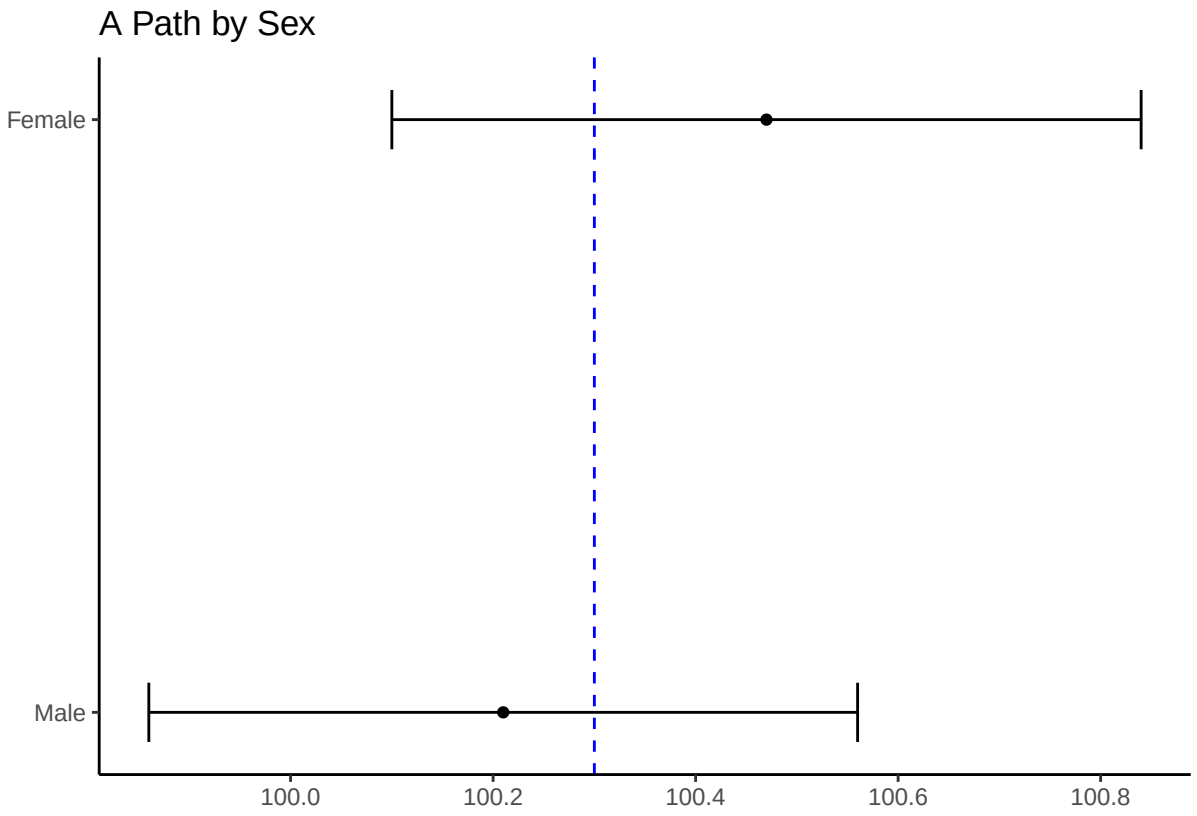
index=1:2 because the y-axis contains two points (female and male).

Create labels for y-axis

```
sex_l<-c("Female", "Male") # Enter in the proper order: 0 = Female, 1 = Male
```

Plot effect sizes and confidence intervals for each level, with xintercept=your unstratified beta coefficient value

```
for_sex<-ggplot(data=a_sex, aes(y=index, x=Effect, xmin=lower, xmax=upper)) + geom_point() + geom_vline
plot(for_sex)
```



Age Group

Create data frame with effect sizes and confidence intervals for each level of effect modification variable of interest

```
a_age<-data.frame(AGE=c(0, 1, 2, 3),index=1:4, Effect=c(79, 90, 94, 96), lower=c(49.6, 60.6, 64.6, 66.6
```

Assumes 0 = 45-54, 1 = 55-64, 2 = 65-74, 3 = 75+.

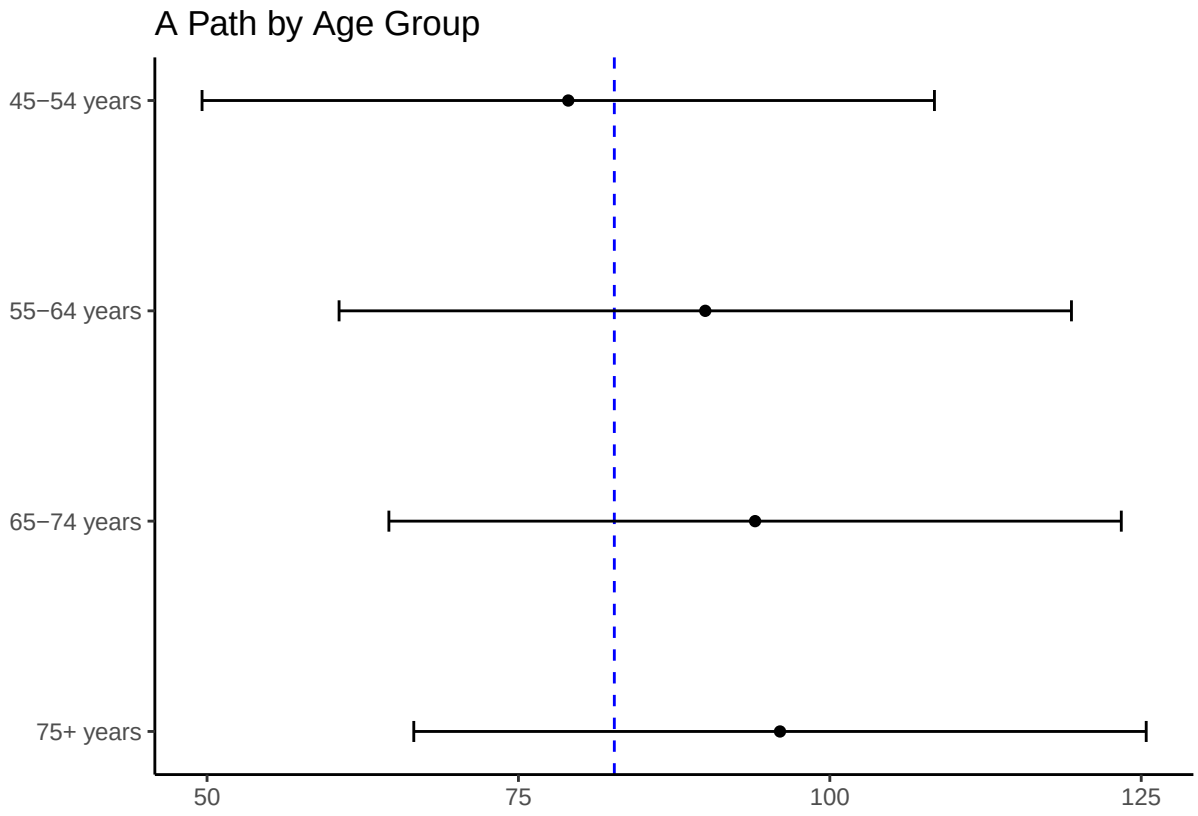
index=1:4 because the y-axis contains four points (one point for each of four age groups).

Create labels for y-axis

```
age_l<-c("45-54 years", "55-64 years", "65-74 years", "75+ years") # Enter in the proper order: 0 = Fem
```

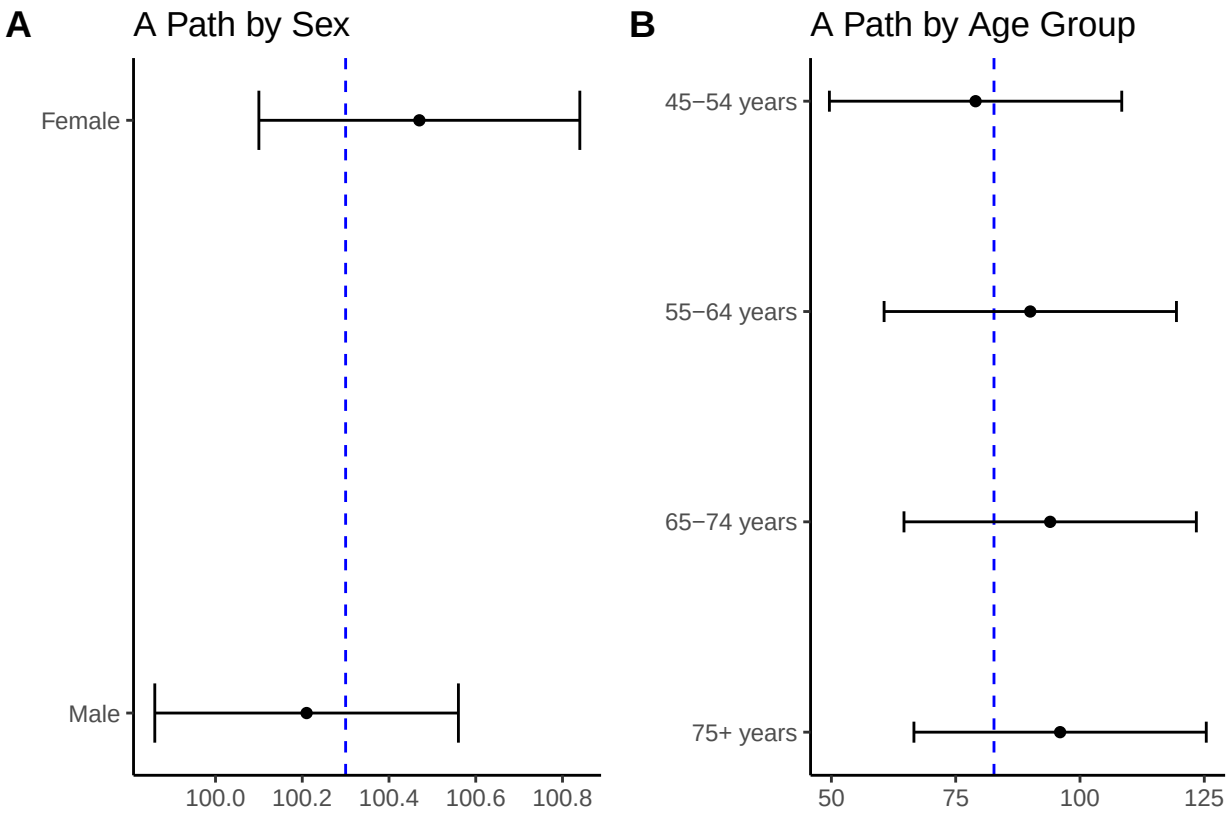
Plot effect sizes and confidence intervals for each level, with xintercept=your unstratified beta coefficient value

```
for_age<-ggplot(data=a_age, aes(y=index, x=Effect, xmin=lower, xmax=upper)) + geom_point() + geom_vline
plot(for_age)
```



Combine the plots

```
ggarrange(for_sex, for_age, labels = c("A", "B"), nrow=1, ncol=2)
```



The combined plot can be re-sized and exported as a .png file using the *ggexport* function.