

Prepare Data

Prepare and input data as the file below, save it as .csv file in your own folder (Please do not change the name of each columns, and do not use comma in any cell)

Must-to-have variables in csv file:

| description | effect | low | high | overrideLabel0 |
|-------------|--------|-----|------|----------------|
|-------------|--------|-----|------|----------------|

Variables to be added according to request

| descriptionOffset | descriptionWeight | overrideLabel0Weight | overrideLabel1 | overrideLabel1Weight | pvPos | refLinePos | refLinePos2 | title | xlabel |
|-------------------|-------------------|----------------------|----------------|----------------------|-------|------------|-------------|-------|--------|
|-------------------|-------------------|----------------------|----------------|----------------------|-------|------------|-------------|-------|--------|

| description | descriptionOffset | descriptionWeight | effect | low | high | overrideLabel0 | overrideLabel0Weight | overrideLabel1 | overrideLabel1Weight | pvPos | refLinePos | refLinePos2 | title | xlabel |
|------------------|-------------------|-------------------|--------------|--------------|-------------|------------------|----------------------|----------------|----------------------|-------|------------|-------------|------------------|--------|
| Overall | | bold | 0.017033339 | -0.022276395 | 0.06069784 | 1.04 (0.95-1.15) | | | | | 0 | 99999 | Hazard ratios (b | |
| Age comma years | | bold | 99999 | 99999 | 99999 | | | | | | | | 1SD higher log- | |
| <55 | 1 | | 0.004321374 | -0.149186408 | 0.133538908 | 1.01 (0.76-1.36) | | | | | | | | |
| 55 to <65 | 1 | | 0.033423755 | -0.031517051 | 0.096910013 | 1.08 (0.93-1.25) | | | p-trend: 0.582 | | | | | |
| >=65 | 1 | | 0 | -0.060480747 | 0.064457989 | 1.00 (0.87-1.16) | | | | | | | | |
| Sex | | bold | 99999 | 99999 | 99999 | | | | | | | | | |
| Female | 1 | | 0.045322979 | -0.031517051 | 0.117271296 | 1.11 (0.93-1.31) | | | p-trend: 0.451 | | 6 | | | |
| Male | 1 | | 0.008600172 | -0.040958608 | 0.06069784 | 1.02 (0.91-1.15) | | | | | | | | |
| Race/ethnicity | | bold | 99999 | 99999 | 99999 | | | | | | | | | |
| White | 1 | | 0.056904851 | 0 | 0.117271296 | 1.14 (1.00-1.31) | | | | | | | | |
| Black | 1 | | -0.008773914 | -0.075720714 | 0.06069784 | 0.98 (0.84-1.15) | | | p-trend: 0.067 | | | | | |
| Other | 1 | | -0.080921908 | -0.200659451 | 0.037476498 | 0.83 (0.63-1.09) | | | | | | | | |

Note: for missing numeric data, set as 99999, otherwise the app will treat it as 0;

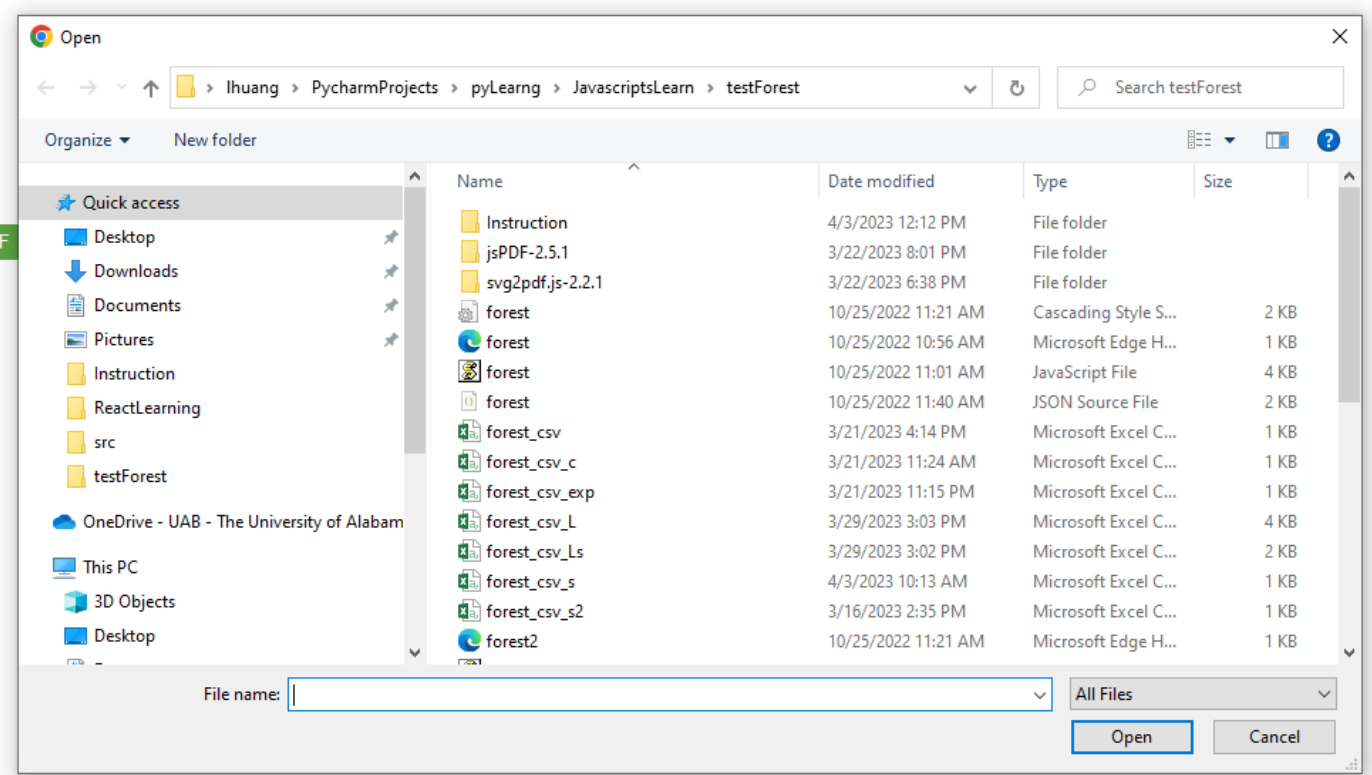
Open the app and select your csv file

Please choose your file:
 No file chosen

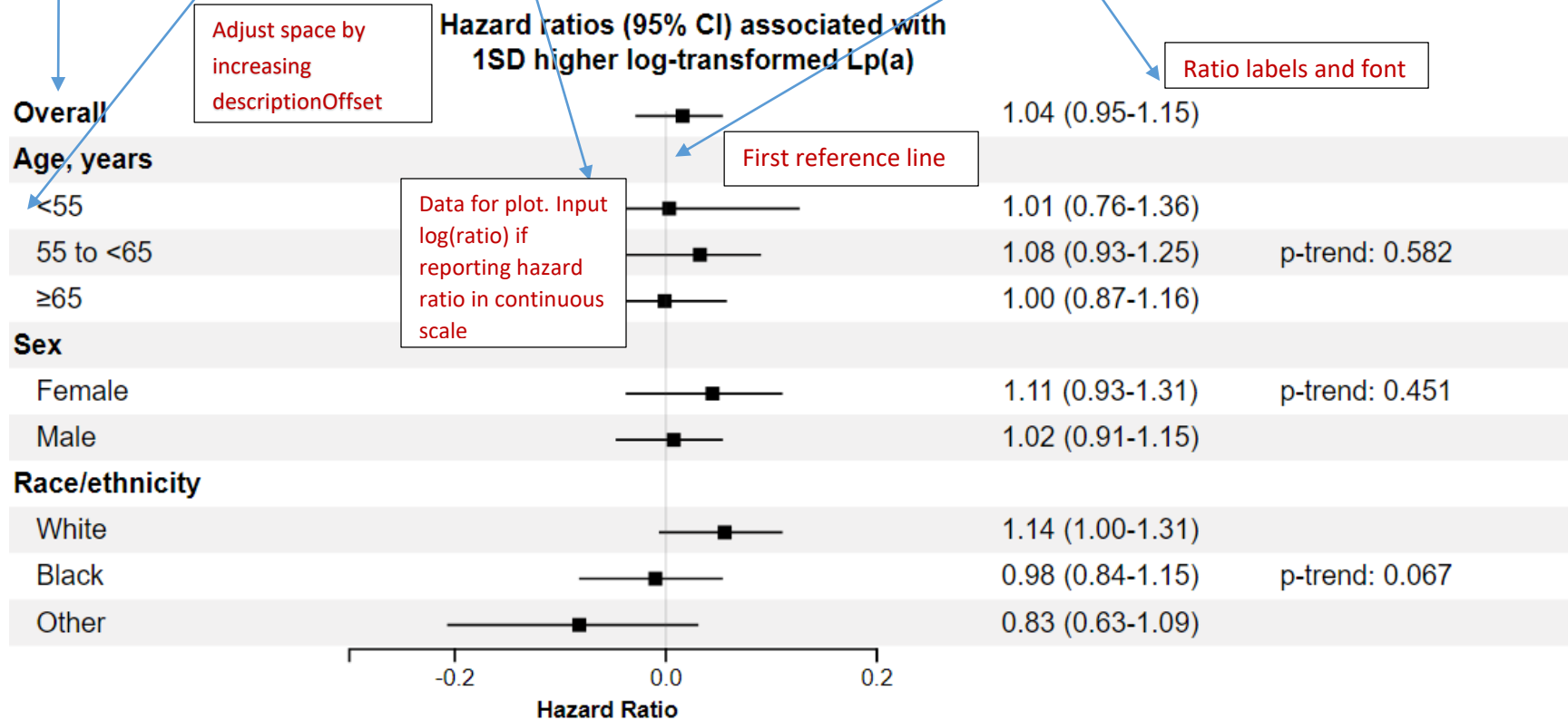
Axis Range:
Min Range
Max Range
Ticks Number

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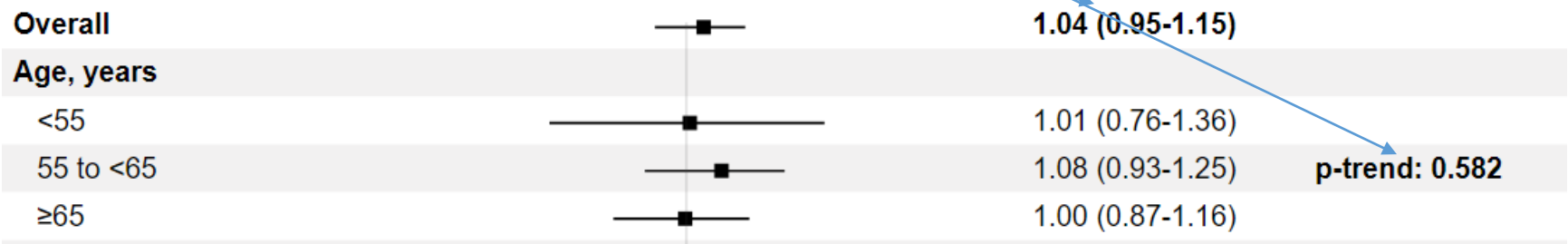
| description | descriptionOffset | descriptionWeight | effect | low | high | overrideLabel0 | overrideLabel0Weight | overrideLabel1 | overrideLabel1Weight | pvPos | refLinePos | refLinePos | title | xlabel |
|------------------|-------------------|-------------------|--------------|--------------|-------------|------------------|----------------------|----------------|----------------------|----------------|------------|------------|-------|------------------|
| Overall | | bold | 0.017033339 | -0.022276395 | 0.06069784 | 1.04 (0.95-1.15) | | | | | | 0 | 99999 | Hazard ratios (p |
| Age comma years | | bold | 99999 | 99999 | 99999 | | | | | | | | | 1SD higher log- |
| <55 | 1 | | 0.004321374 | -0.119186408 | 0.133538908 | 1.01 (0.76-1.36) | | | | | | | | |
| 55 to <65 | 1 | | 0.033423755 | -0.031517051 | 0.096910013 | 1.08 (0.93-1.25) | | | | p-trend: 0.582 | | | | |
| ≥65 | 1 | | 0 | -0.060480747 | 0.064457989 | 1.00 (0.87-1.16) | | | | | | | | |
| Sex | | bold | 99999 | 99999 | 99999 | | | | | | | | | |
| Female | 1 | | 0.045322979 | -0.031517051 | 0.117271296 | 1.11 (0.93-1.31) | | | | p-trend: 0.451 | 6 | | | |
| Male | 1 | | 0.008600172 | -0.040958608 | 0.06069784 | 1.02 (0.91-1.15) | | | | | | | | |
| Race/ethnicity | | bold | 99999 | 99999 | 99999 | | | | | | | | | |
| White | 1 | | 0.056904851 | 0 | 0.117271296 | 1.14 (1.00-1.31) | | | | | | | | |
| Black | 1 | | -0.008773924 | -0.075720714 | 0.06069784 | 0.98 (0.84-1.15) | | | | p-trend: 0.067 | | | | |
| Other | 1 | | -0.080921908 | -0.200659451 | 0.037426498 | 0.83 (0.63-1.09) | | | | | | | | |



Change font

| overrideLabel0 | overrideLabel0Weight | overrideLabel1 | overrideLabel1Weight |
|------------------|----------------------|----------------|----------------------|
| 1.04 (0.95-1.15) | bold | | |
| 1.01 (0.76-1.36) | | | |
| 1.08 (0.93-1.25) | | p-trend: 0.582 | bold |

Hazard ratios (95% CI) associated with
1SD higher log-transformed Lp(a)



Report *P* value

if you want to report p-value and adjust the label position, add “pvPos” column in your file to change the position of p-value, and then click “*Format p value*” to “Yes”; The App will adjust the label to Italic. Leave “pvPos” blank if you do not want to change its position

| overrideLabel0 | overrideLabel0Weight | overrideLabel1 | overrideLabel1Weight | pvPos |
|------------------|----------------------|----------------|----------------------|-------|
| L.04 (0.95-1.15) | | | | |
| L.01 (0.76-1.36) | | | | |
| L.08 (0.93-1.25) | | p-trend: 0.582 | | |
| L.00 (0.87-1.16) | | | | |
| L.98 (0.87-1.10) | | p-trend: 0.062 | | 6 |
| L.18 (1.00-1.39) | | | | |
| L.14 (1.00-1.31) | | | | |
| L.98 (0.84-1.15) | | p-trend: 0.067 | | |
| L.83 (0.63-1.09) | | | | |

Leave “pvPos” blank if you do not want to change its position

Please choose your file:

forest_csv_Ls.csv

Axis Range:

Min Range

Max Range

Ticks Number

Position:

Discriptions

Plot

Ratios

Title

Background

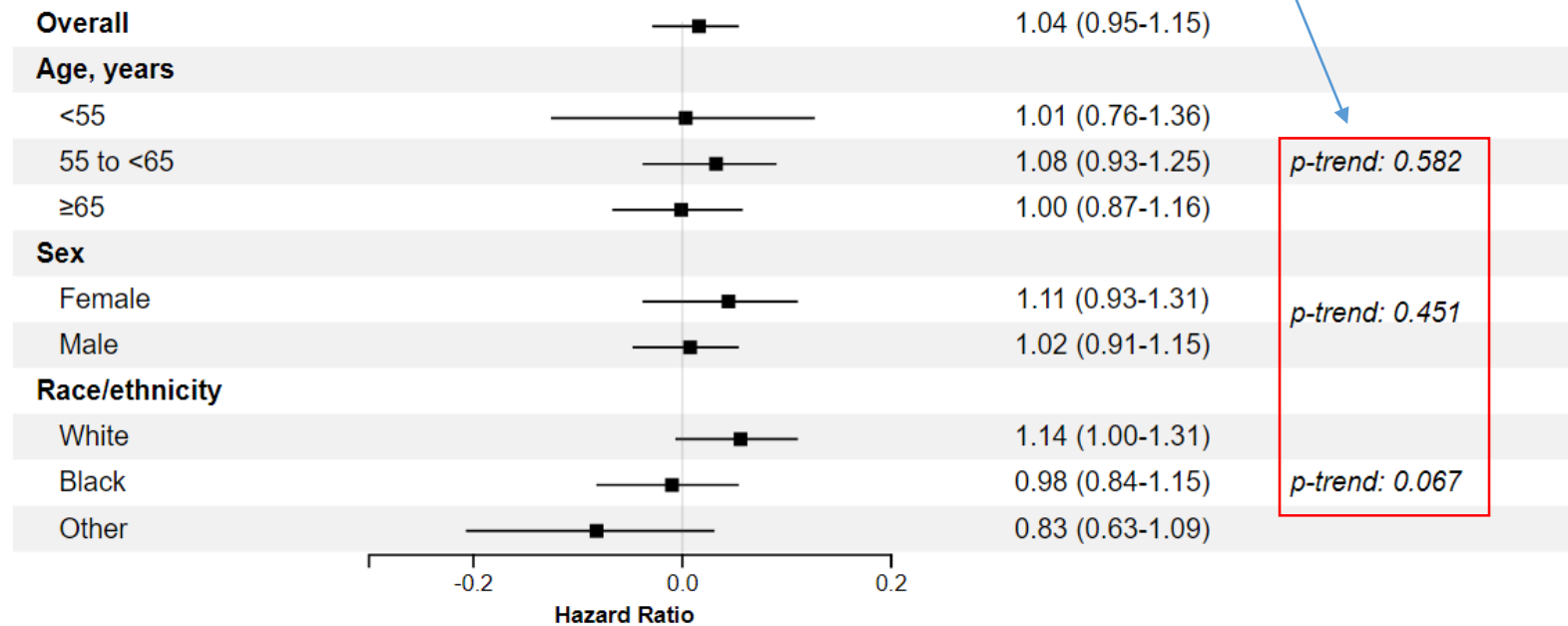
Plot Background

X Format Change

Format p value

Change Symbols

Hazard ratios (95% CI) associated with 1SD higher log-transformed Lp(a)



Change X Axis Range and Change X Axis label to Hazard Ratio

You can change the Axis range and ticks number. You report exponentiated X Axis estimates by selecting options in “**X Format Change**”.

Axis Range:
Min Range
Max Range
Ticks Number

Position:
Discriptions
Plot
Ratios
Title

Background
Plot Background
X Format Change

Format p value
Change Symbols

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Hazard ratios (95% CI) associated with 1SD higher log-transformed Lp(a)

| Factor | Hazard Ratio (95% CI) | p-trend |
|----------------------|-----------------------|----------------|
| Overall | 1.04 (0.95-1.15) | |
| Age, years | | |
| <55 | 1.01 (0.76-1.36) | |
| 55 to <65 | 1.08 (0.93-1.25) | p-trend: 0.582 |
| ≥65 | 1.00 (0.87-1.16) | |
| eGFR, ml/min/1.73 m² | | |
| <45 | 0.98 (0.87-1.10) | p-trend: 0.062 |
| ≥45 | 1.18 (1.00-1.39) | |
| Race/ethnicity | | |
| White | 1.14 (1.00-1.31) | |
| Black | 0.98 (0.84-1.15) | p-trend: 0.067 |
| Other | 0.83 (0.63-1.09) | |

Change description and plot position

You can use mouse or key to drag the panels of “**Position**” to adjust the position of plots

Axis Range:

Min Range -0.45

Max Range 0.45

Ticks Number 3

Position:

Discriptions

Plot

Ratios

Title

Background

Format p value

Plot Background

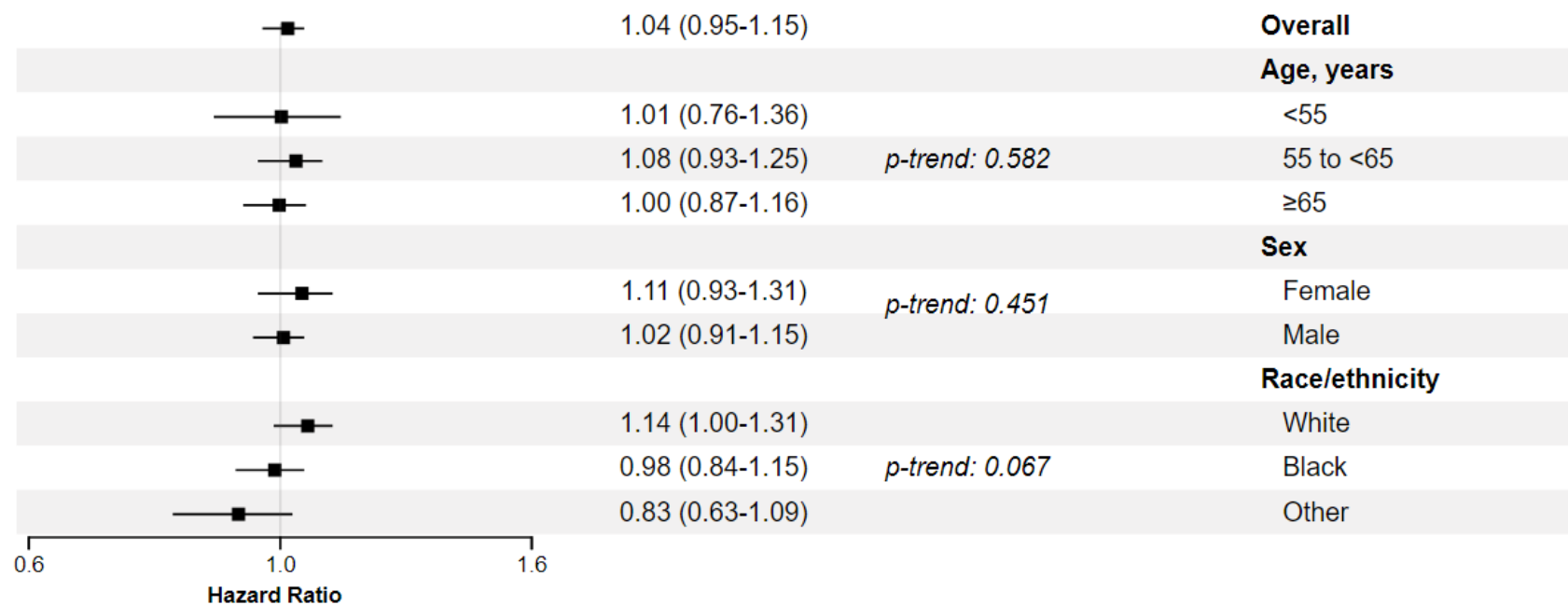
Change Symbols

X Format Change

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Hazard ratios (95% CI) associated with 1SD higher log-transformed Lp(a)



Change plot background

Axis Range:

Min Range
 Max Range
 Ticks Number

Position:

Discriptions
 Plot
 Ratios
 Title

Background

Plot Background

X Format Change

Format p value

Change Symbols

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Hazard ratios (95% CI) associated with 1SD higher log-transformed Lp(a)

Overall

Age, years

<55

55 to <65

≥65

Sex

Female

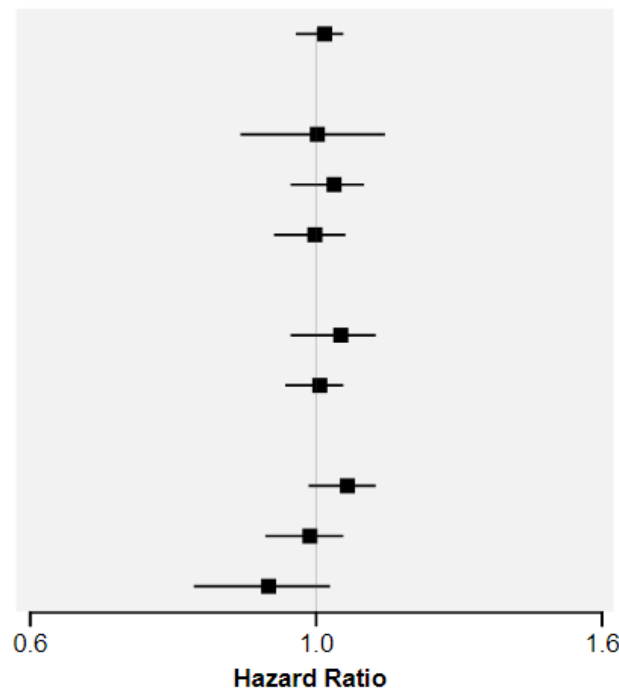
Male

Race/ethnicity

White

Black

Other



1.04 (0.95-1.15)

1.01 (0.76-1.36)

1.08 (0.93-1.25)

1.00 (0.87-1.16)

1.11 (0.93-1.31)

1.02 (0.91-1.15)

1.14 (1.00-1.31)

0.98 (0.84-1.15)

0.83 (0.63-1.09)

p-trend: 0.582

p-trend: 0.451

p-trend: 0.067

Change symbols of plots

If you want to change the size and shape of the symbols in the plot, add "symbolsize", "symboltype", "symbolcolor" in your file. And then click **"Change Symbols"**.

The default symbol size is 3. The default color is black.

s=square, c=circle, d=diamond, t=triangle

| overrideLabel0 | overrideLabel0Weight | overrideLabel1 | overrideLabel1Weight | refLinePos | refLinePos2 | title | xlabel | symbolsize | symboltype | symbolcolor |
|--------------------|----------------------|--------------------|----------------------|------------|-------------|----------------|--------|------------|------------|-------------|
| 0.92 (0.88 - 0.95) | | 0.92 (0.88 - 0.95) | | 1 | 99999 | Forest Plot RR | | 3 | s | black |
| | | | | | | An example | | | | |
| 0.89 (0.84 - 0.94) | | 0.89 (0.84 - 0.94) | | | | | | 4 | c | orange |
| 0.93 (0.88 - 0.98) | | 0.93 (0.88 - 0.98) | | | | | | 6 | d | blue |
| 0.97 (0.91 - 1.03) | | 0.97 (0.91 - 1.03) | | | | | | 4 | t | green |
| Reference | | Second Ref | | | | | | 3 | s | black |

Axis Range:
Min Range
Max Range
Ticks Number

Position:
Discriptions
Plot
Ratios
Title

Background
Plot Background
X Format Change

Format p value

Change Symbols

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Forest Plot
An example

PCSK9 score above median

Quartile of PCSK9 scores

4

3

2

1

0.8

0.9

1.0

1.1

RR

0.92 (0.88 - 0.95)

0.92 (0.88 - 0.95)

0.89 (0.84 - 0.94)

0.89 (0.84 - 0.94)

0.93 (0.88 - 0.98)

0.93 (0.88 - 0.98)

0.97 (0.91 - 1.03)

0.97 (0.91 - 1.03)

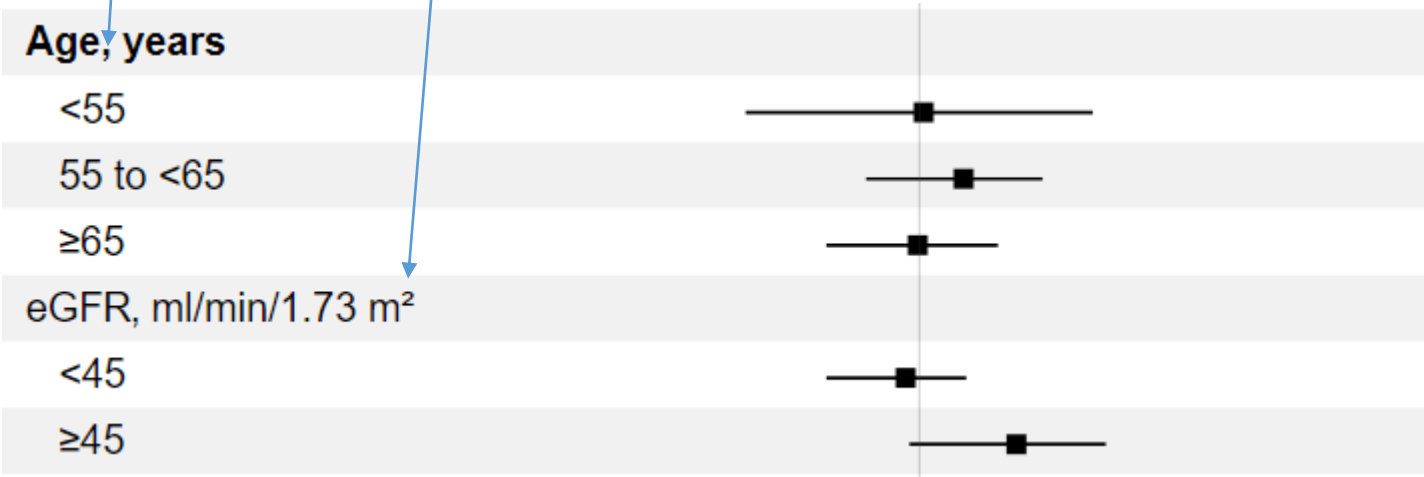
Reference

Second Ref

Special Match Character

You need use **escape(chr)** within `| |` to represent special match character

| description | descriptionOffset | descriptionWeight |
|--|-------------------|-------------------|
| Overall | | bold |
| Age %u201A years | | bold |
| <55 | 1 | |
| 55 to <65 | 1 | |
| >=65 | 1 | |
| eGFR %u201A ml/min/1.73 m %B2 | | |
| <45 | 1 | |
| >=45 | 1 | |



Examples of **escape(chr)** for math characters:

±: %B1

μ: %B5

∅: %BA

More characters and their escape(chr) can be found at <http://www.javascripter.net/faq/mathsymbols.htm>.