# Framingham package

r-framingham is a package used to estimate the 10-year cardiovascular risk of an individual using Framingham\_Risk\_Score standard guidelines <https://en.wikipedia.org/wiki/Framingham_Risk_Score>

The Framingham Risk Score is a gender-specific algorithm used to estimate the 10-year cardiovascular risk of an individual.

## Framingham Algorithim

Below is an algorithim to follow inorder to generate Framingham score for Coronary Heart Disease (10-year risk)

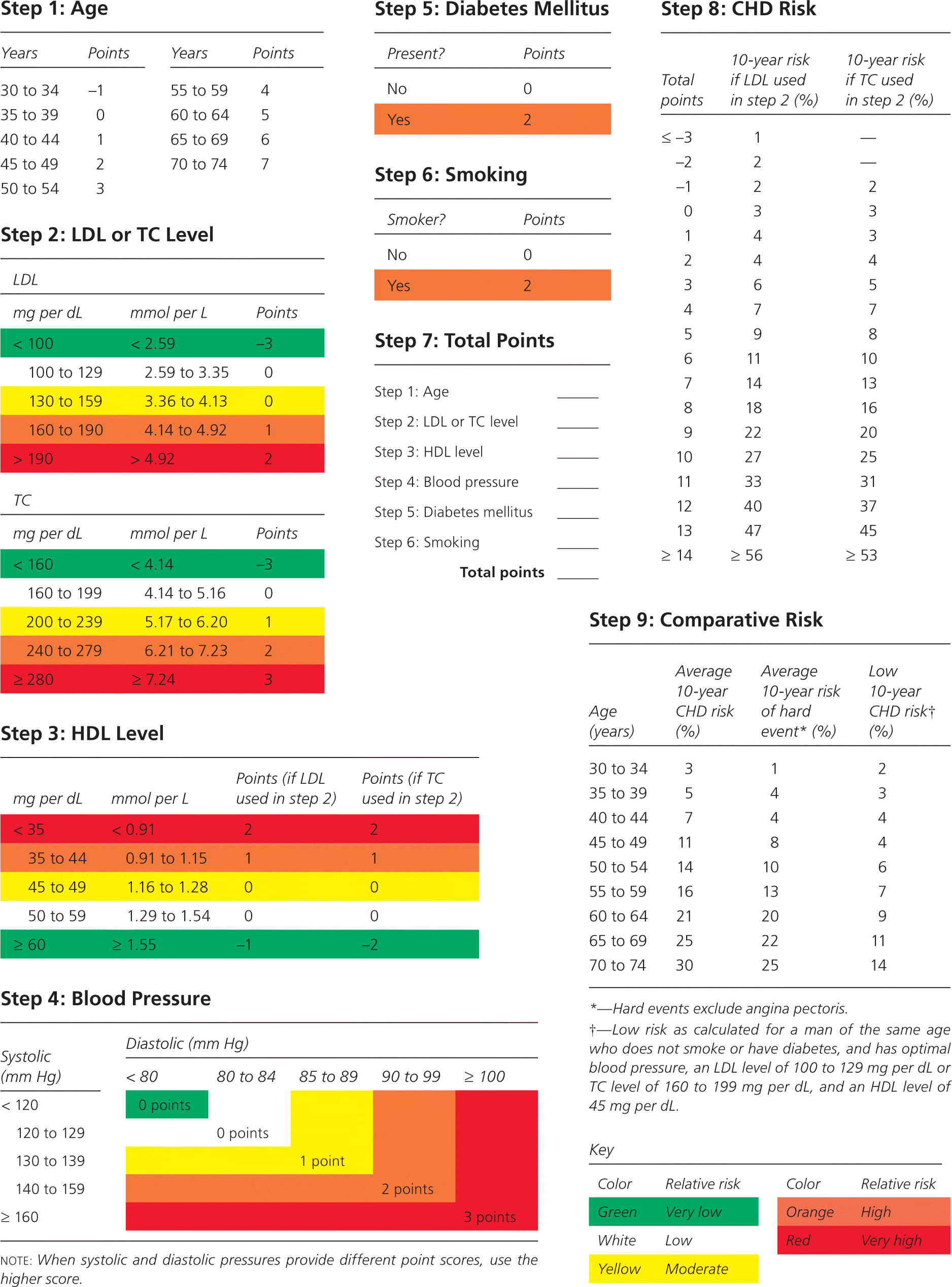


fig. 1

### Usage

This package can be used by statistician or data scientist in: \* Survival analysis \* Time series \* risk prediction \* e.t.c

Example:

your\_data\_frame %>%  
group\_by(patient\_id) %>%  
summarise( risk\_score=framingham\_func(gender=gender,age:age,...))

### Installation

when this package is published, a user can install it by running:

install.packages("r-framingham")

### Task Breakdown

* Nour - literature of Framingham and step 1 to 5
* Allan - setup r-package project requirements and step 5 to 10

## Built With

* [Package 1](http://www.github.com) - Package 1
* [Package 2](https://www.github.org) - Package 2
* [Package 3](https://www.github.io) - Package 3

## Contributing

Please read [CONTRIBUTING.md](https://github.com/PHP2560-Statistical-Programming-R/r-framingham/graphs/contributors) for details on our code of conduct, and the process for submitting pull requests to us.

## Versioning

We use git for versioning. For the versions available, see the [tags on this repository](https://github.com/your/project/tags).

## Authors

* **Nour Audi** - *member* - [member](https://github.com/Nour-Audi)
* **Allan Kimaina** - *member* - [member](https://github.com/kimaina)

See also the list of [contributors](https://github.com/PHP2560-Statistical-Programming-R/r-package-apollo) who participated in this project.

## License

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## Acknowledgments

* Hat tip to anyone who's code was used
* Inspiration
* etc