

# sgplot

An R package for accessible data visualisations in the Scottish Government

Alice Hannah

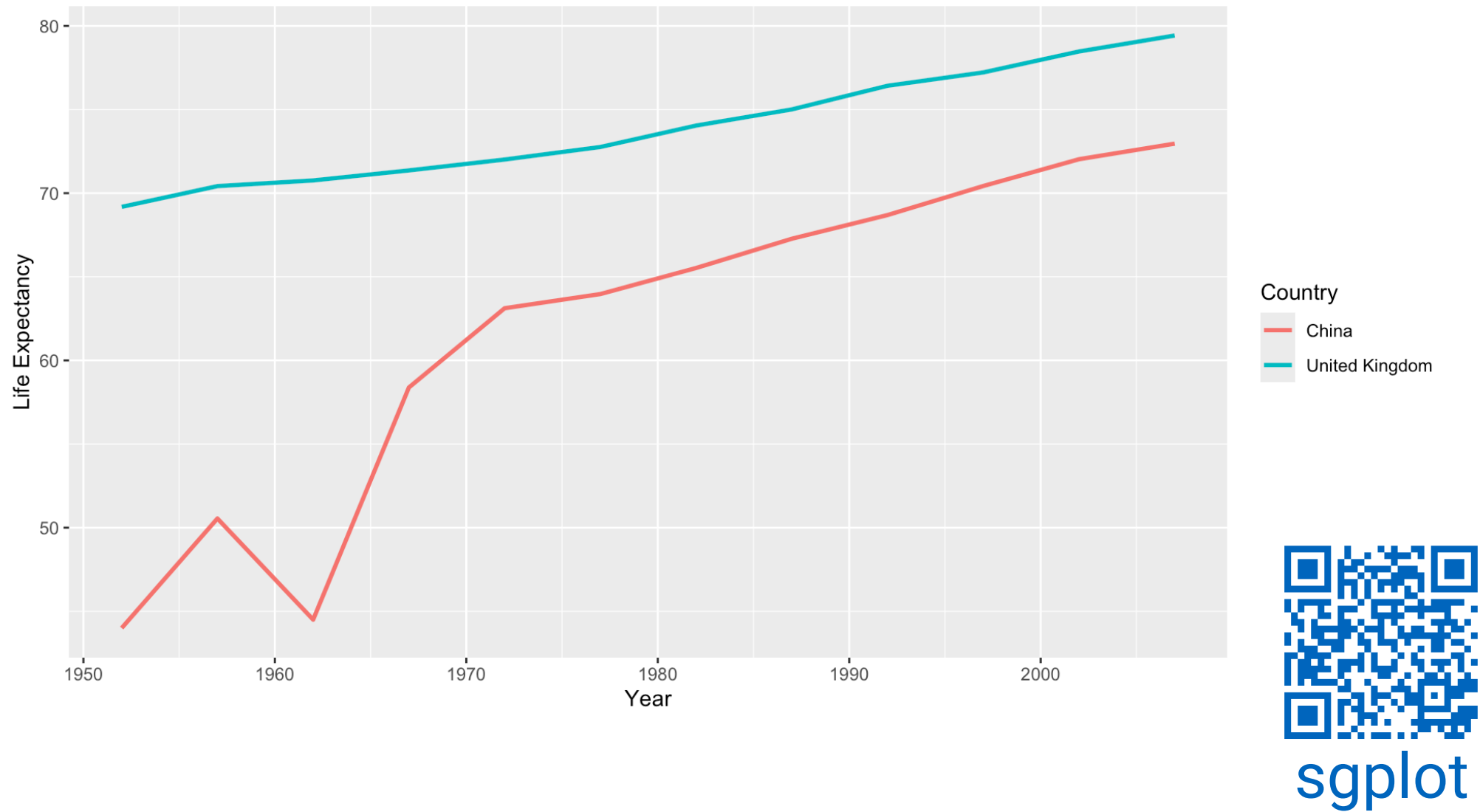
[alice.hannah@gov.scot](mailto:alice.hannah@gov.scot)



Scottish Government  
Riaghaltas na h-Alba



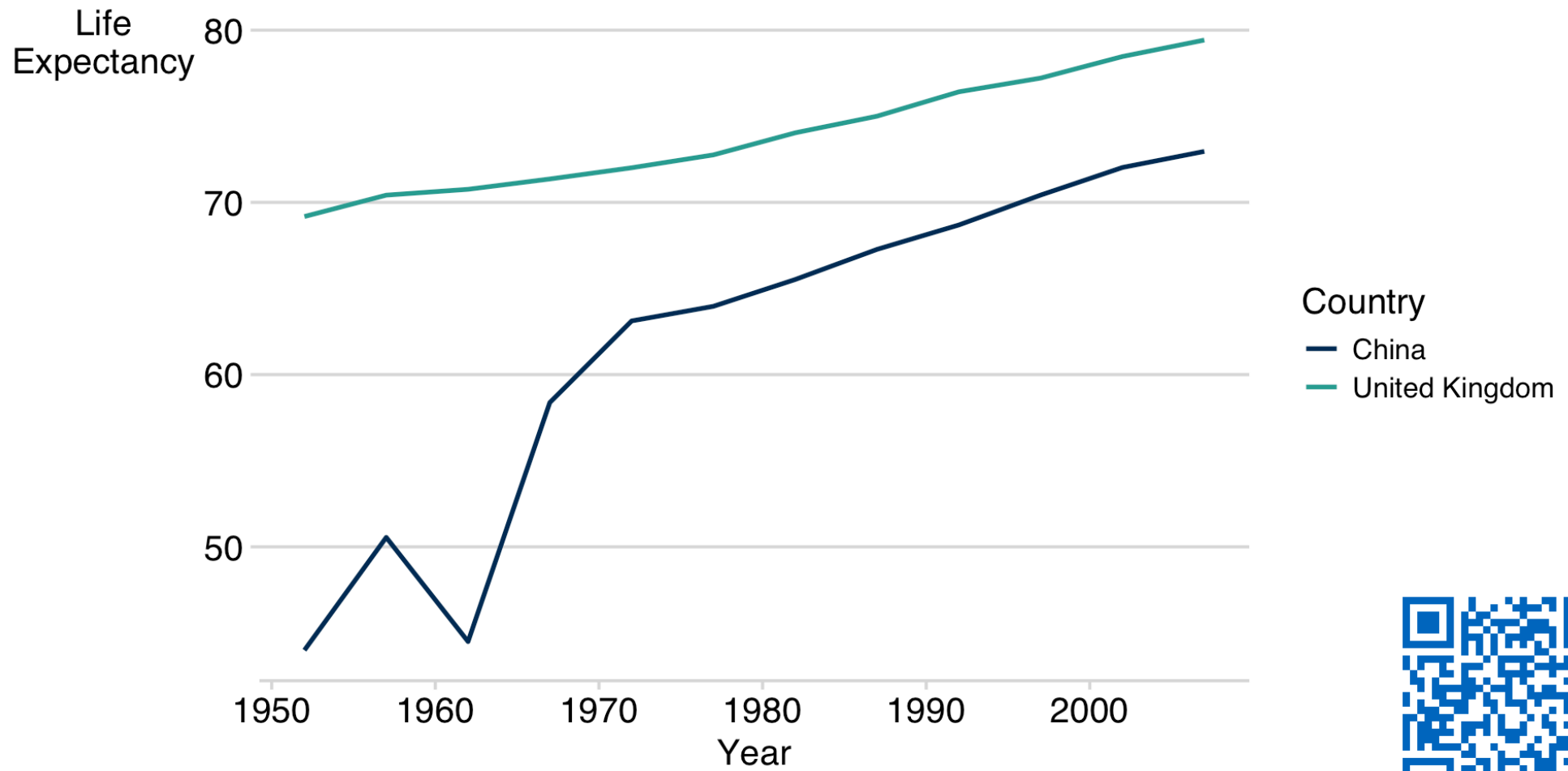
sgplot

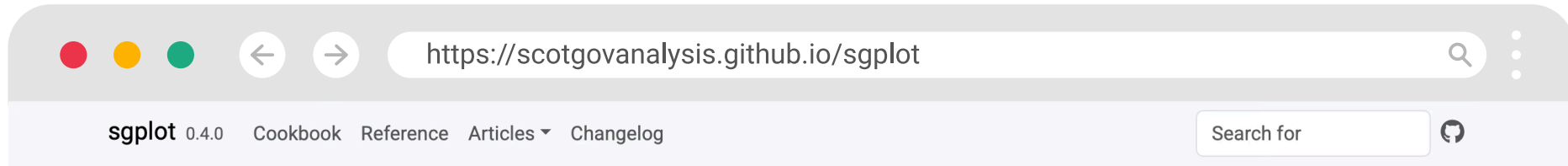


```
sgplot::use_sgplot()
```



sgplot





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sgplot is an R package for creating accessible plots in the Scottish Government. Currently, functions are available for styling ggplot2 plots.

The package has been developed using the [Government Analysis Function Data Visualisation guidance](#) and uses accessible colour palettes from the [Scottish Government Design System](#). sgplot should be used in conjunction with these guidance documents.

More information about the package and its functions can be found on the [sgplot website](#). In particular, the [cookbook](#) contains lots of examples. Slides are also available for an internal [presentation given to statisticians and analysts](#).

## Installation

If you are working within the Scottish Government network, you can install sgplot in the same way as with other R packages.

Alternatively, install from CRAN:

```
install.packages("sgplot")
```

Or install the development version from GitHub:

## Links

[View on CRAN](#)

[Browse source code](#)

[Report a bug](#)

## License

[Full license](#)

[MIT](#) + file [LICENSE](#)

## Community



[Contributing guide](#)

[Getting help](#)

## Citation

[Citing sgplot](#)

## Developers

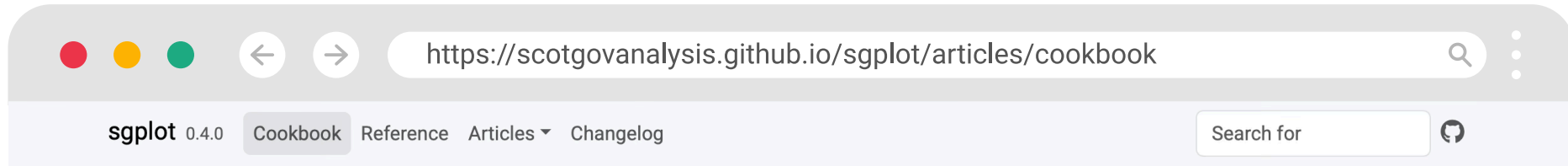
Alice Hannah  

Author, maintainer

[More about authors...](#)



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# Cookbook

Source: [vignettes/cookbook.Rmd](#)



This cookbook provides examples of the code used to produce various chart types using sgplot. There are also examples to demonstrate how to apply further customisation to sgplot charts.

If there is a chart type or task which you think would be useful to include here, please [submit a suggestion](#).

## use\_sgplot

The examples in this cookbook use the sgplot theme and colour functions explicitly, however it may be easier to make use of the `use_sgplot()` function if your charts all require a similar style. More information on `use_sgplot` can be found on the [homepage](#).

## Note on use of titles, subtitles and captions

Titles, subtitles and captions have been embedded in the charts in this cookbook for demonstration purposes. However, for accessibility reasons, it is usually preferable to provide titles in the body of the page rather than embedded within the image of the plot.

The following packages are required to produce the example charts in this cookbook:

```
library(sgplot)
library(ggplot2)
library(dplyr)

# Use gapminder data for cookbook charts
library(gapminder)
```

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