Plant UML With Citations

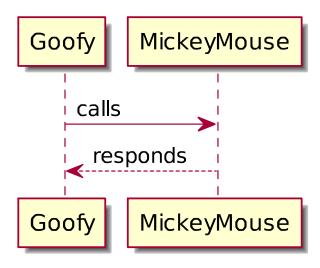
R Markdown

This is a very simple implementation of a plantuml in an Rmarkdown page http://rmarkdown.rstudio.com ⁽¹⁾. In R-markdown you would normally cite with a syntax line [@reference]. In order to cite within the graphics we are exporting the graphics as latex and citing using latex. That means you cite using either \cite{reference} or \citep{reference}. we are using natbib which means we use \citep. Using [@reference] still works (not all configuration is set) ⁽³⁾.

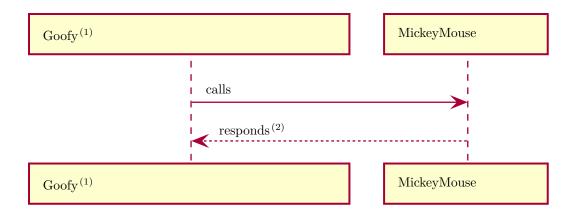
Example UML

The example below is a very simply UML diagram. It is exported as an image, as per normal and contains no reference citation.

```
# create the uml as a variable and plot it
plot(
plantuml (
    "Goofy" As Goofy -> MickeyMouse: calls
    Goofy <-- MickeyMouse: responds
    '
    ),
    vertor=T
)</pre>
```



We want to add a reference wihin labels and nodes. We need to escape the backslashes in the code to ensure they are not mis-interpreted so it becomes \\citep{reference} when within a UML.



References

- [1] JJ Allaire, Yihui Xie, Jonathan McPherson, Javier Luraschi, Kevin Ushey, Aron Atkins, Hadley Wickham, Joe Cheng, Winston Chang, and Richard Iannone. *rmarkdown: Dynamic Documents for R*, 2019. URL https://CRAN.R-project.org/package=rmarkdown. R package version 1.12.
- [2] R Core Team. R: A Language and Environment for Statistical Computing. R Foundation for Statistical Computing, Vienna, Austria, 2019. URL https://www.R-project.org/.
- [3] Yihui Xie. knitr: A General-Purpose Package for Dynamic Report Generation in R, 2019. URL https://CRAN.R-project.org/package=knitr. R package version 1.22.