

My thesis at Universitat Pompeu Fabra

A Quarto extension and template

Gonzalo Garcia-Castro

TESI DOCTORAL UPF / Year 2023

THESIS SUPERVISOR
Dr. Awesome Supervisor
Department Department of Templates



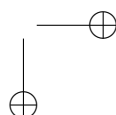
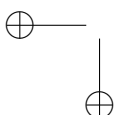
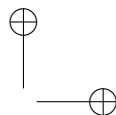
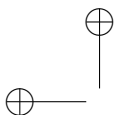
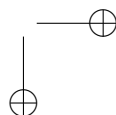
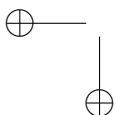
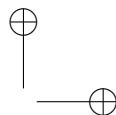
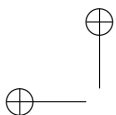
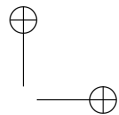
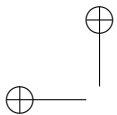




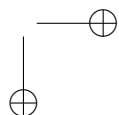
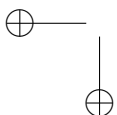
Table of contents

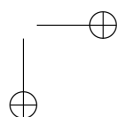
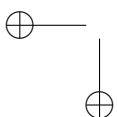
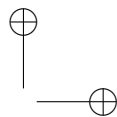
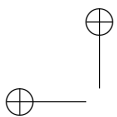
	v
	vii
ACKNOWLEDGEMENTS	ix
ABSTRACT	xi
RESUM	xiii
PREFACE	xv
INTRODUCTION	xvii
THE FIRST CHAPTER	xxi
THE SECOND CHAPTER	xxv
DISCUSSION	xxvii
BIBLIOGRAPHY	xxix

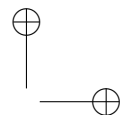
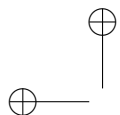




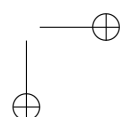
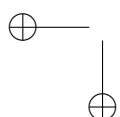
v

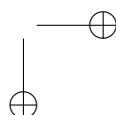
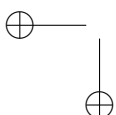
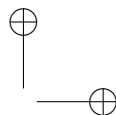
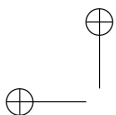






To the coward that spent time preparing this template instead of actually writing his own thesis.



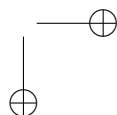
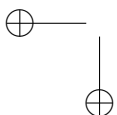
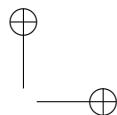
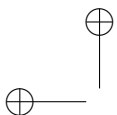


ACKNOWLEDGEMENTS

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas auctor quis quam non feugiat. Fusce a eleifend sapien. Fusce vel ipsum vitae purus molestie venenatis in in nunc. Fusce blandit placerat ullamcorper. Aliquam erat volutpat. Integer sed ante porttitor, egestas neque at, molestie neque. In id ante ultricies leo molestie tristique id a tortor. Vivamus ullamcorper, lectus vitae tristique accumsan, nunc nulla cursus urna, in ultricies eros odio nec arcu. Etiam non convallis nulla. Nunc imperdiet nibh at scelerisque interdum. Vivamus mattis placerat justo, nec maximus ligula rutrum et. Sed ut rhoncus dui, ut dignissim justo. Donec vitae sapien tempus, dictum libero sit amet, tincidunt leo. Maecenas auctor libero pellentesque finibus porta.

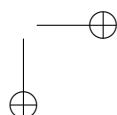
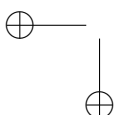
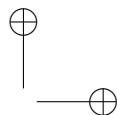
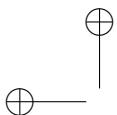
Curabitur pretium augue odio, a porttitor purus pellentesque vitae. Maecenas lobortis justo ut eleifend blandit. Morbi nulla dolor, imperdiet eget lacus non, accumsan bibendum turpis. Aenean nec viverra est. Duis laoreet nulla ut diam mattis, vitae pellentesque nibh fringilla. Morbi pellentesque, ante a faucibus auctor, diam augue vehicula dui, auctor interdum sem augue at risus. In hac habitasse platea dictumst. Nam sit amet consectetur lacus, eget gravida orci. Fusce suscipit varius dapibus. Aenean enim mi, vestibulum vitae mi maximus, molestie efficitur odio. Duis aliquam blandit sagittis. Nulla ut volutpat erat.

Curabitur id ligula dolor. Ut convallis augue mi, sed rutrum urna facilisis eu. Nullam mollis tortor eget massa eleifend pellentesque. Etiam placerat faucibus placerat. Sed et auctor ligula. Pellentesque at dictum ante. Etiam et tempus augue. Sed id elit nibh. Aliquam erat volutpat. Sed vel sem elit.



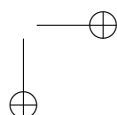
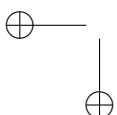
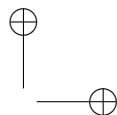
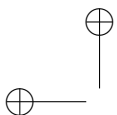
ABSTRACT

Nam non neque aliquet, rutrum tortor eget, pulvinar libero. Integer sed ante nisi. Integer scelerisque interdum nunc, a dictum est vestibulum ac. Aliquam lorem nibh, blandit non ullamcorper sed, fringilla ac enim. Aliquam semper quis tortor sit amet elementum. Praesent orci lectus, rhoncus rutrum nisl ac, aliquet pharetra est. Fusce posuere, risus at ultrices molestie, metus ante dictum augue, eget pulvinar sem justo vitae libero. Nam ut lacus ac nisl dictum cursus. Nullam non justo in ligula lobortis consectetur. Sed pretium mollis quam, sit amet aliquam lorem maximus eget. Cras malesuada efficitur risus id placerat. Nullam et feugiat sapien. In dignissim ante ac nibh varius, eu tincidunt ex molestie. Sed vitae dignissim urna. Donec ac sapien mattis, ultricies eros ut, vehicula mauris.



RESUM

Nam non neque aliquet, rutrum tortor eget, pulvinar libero. Integer sed ante nisi. Integer scelerisque interdum nunc, a dictum est vestibulum ac. Aliquam lorem nibh, blandit non ullamcorper sed, fringilla ac enim. Aliquam semper quis tortor sit amet elementum. Praesent orci lectus, rhoncus rutrum nisl ac, aliquet pharetra est. Fusce posuere, risus at ultrices molestie, metus ante dictum augue, eget pulvinar sem justo vitae libero. Nam ut lacus ac nisl dictum cursus. Nullam non justo in ligula lobortis consectetur. Sed pretium mollis quam, sit amet aliquam lorem maximus eget. Cras malesuada efficitur risus id placerat. Nullam et feugiat sapien. In dignissim ante ac nibh varius, eu tincidunt ex molestie. Sed vitae dignissim urna. Donec ac sapien mattis, ultricies eros ut, vehicula mauris.

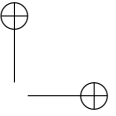
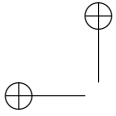


PREFACE

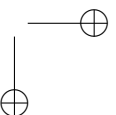
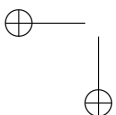
Mauris facilisis sed purus ornare scelerisque. Sed nulla est, elementum ut lacus et, varius ultrices tellus. Suspendisse fringilla rhoncus pulvinar. Fusce vitae bibendum sapien. Phasellus id nunc eget nulla sodales dignissim id ac arcu. Fusce massa dui, blandit sed malesuada nec, blandit non libero. Morbi sem ligula, pulvinar sit amet nisl id, efficitur consectetur tellus. Sed porta dui nec ligula rutrum laoreet. Suspendisse vitae efficitur risus. Pellentesque gravida nec eros sit amet luctus. Cras ut convallis risus. Sed varius turpis ultricies congue consequat. Aenean pharetra, nibh ac interdum suscipit, lorem turpis cursus mauris, nec molestie nulla diam ac elit.

Vivamus tempus luctus odio, quis scelerisque purus iaculis sed. Etiam quam diam, euismod ut odio eget, ultricies pharetra massa. Maecenas posuere arcu eu ipsum gravida interdum. Aenean eleifend dolor nec consequat vehicula. In lobortis aliquet gravida. Quisque in risus vestibulum, dignissim tortor et, malesuada lectus. Donec efficitur purus eu tincidunt mattis. Interdum et malesuada fames ac ante ipsum primis in faucibus. Sed pellentesque gravida placerat. Praesent scelerisque auctor mauris, non pretium urna venenatis vel. Etiam a dui ornare, suscipit erat ut, molestie ante.

Maecenas ullamcorper risus vitae faucibus tempus. Praesent aliquet quam ac venenatis elementum. Nam posuere justo eget eros condimentum dictum. Duis commodo aliquam eros, nec iaculis enim porta id. In rhoncus, sem eu dictum euismod, enim urna interdum urna, nec porttitor magna lacus in massa. Proin sagittis nisl a nisi feugiat, non lacinia turpis tempus. Morbi non eros venenatis, gravida dolor eu, ultrices nisl. Inte-



ger in gravida lorem. Praesent ut nibh felis. Integer sed augue lobortis, vestibulum nisl sed, scelerisque felis. Quisque vehicula turpis metus, quis aliquam ante elementum vitae.



INTRODUCTION

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer quis condimentum lorem. Morbi in metus molestie, gravida lectus eu, rhoncus arcu. Proin lobortis ullamcorper massa quis volutpat. Pellentesque sollicitudin, sem vel porta volutpat, ante purus rutrum magna, sed placerat magna arcu ut metus. Nulla facilisi. Proin quis lorem tempor, rutrum sapien ut, egestas nisl. Nunc lacus lacus, aliquet sed felis sit amet, fringilla scelerisque turpis. Fusce semper felis et turpis laoreet mollis. Duis ullamcorper nisi sem, id sagittis arcu bibendum ac. Quisque semper nulla a sem placerat suscipit. Aenean vel massa nec erat blandit accumsan et non felis. Suspendisse nec bibendum ipsum. Fusce eu nibh convallis, rutrum sapien nec, feugiat ante (Bolliger et al., 2009; Wickham et al., 2019).

Fusce facilisis est tortor, id iaculis dolor rutrum ac. Curabitur id bibendum lacus, eget lacinia velit. Fusce suscipit tempus nibh convallis tempor. Aenean ullamcorper, orci et semper sodales, orci elit rutrum quam, eget lobortis leo felis in dui. Morbi et odio aliquet ligula suscipit molestie nec quis libero. Proin tempus gravida neque non faucibus. Donec hendrerit molestie elit sed congue. Donec faucibus mollis accumsan. Fusce vestibulum porttitor dui eu facilisis. Aliquam rutrum erat tortor, eu gravida nisi cursus quis. Nullam dignissim luctus turpis non ullamcorper. Integer eleifend molestie est, facilisis suscipit diam. Nullam in justo nisl.

Phasellus vitae tortor eros. Nam eu eros id erat interdum blandit vitae eu libero. Cras eget dictum eros, id condimentum tellus. Ut sed diam tristique, aliquam urna eget, auctor tortor. Vestibulum gravida urna in consectetur volutpat. Maecenas id nisi quis neque dictum ultrices nec

quis tellus. Pellentesque dictum aliquam enim, id efficitur mi vulputate sit amet. In nec aliquam justo, nec elementum leo.

Sed luctus sit amet diam ac sollicitudin. Suspendisse porttitor augue elit, ac interdum sapien congue et. Maecenas ut eleifend ex. Phasellus non felis porttitor, suscipit est non, vulputate eros. Fusce nec mollis justo. Phasellus non maximus lectus. Integer et lorem mollis, hendrerit magna at, sagittis purus.

Suspendisse maximus mauris in pretium convallis. Cras nec egestas purus. Suspendisse sodales nisl a nulla varius, vel molestie neque convallis. Cras aliquam malesuada lectus et rhoncus. Suspendisse aliquam pretium viverra. Aenean sed lobortis nulla. Ut diam dui, efficitur ac eleifend ornare, porttitor eget nibh. Quisque euismod quam risus, sit amet aliquam mauris mollis in.

Curabitur dictum ultrices pulvinar. In id velit vel arcu aliquam commodo. Quisque eu odio vitae sapien molestie dapibus ut at sapien. In ac dolor ut neque viverra scelerisque eu in nibh. Quisque ac ex libero. Praesent posuere sodales enim. Suspendisse lobortis, justo ut vehicula dapibus, dui libero sodales quam, laoreet mattis mauris urna tempus diam. Maecenas rhoncus lorem ac finibus interdum. Praesent egestas mi at tempor pellentesque. Pellentesque faucibus hendrerit odio eget semper. Proin ultricies libero vitae ligula congue tempor.

Integer sed leo ut velit posuere viverra sit amet iaculis augue. Morbi fermentum arcu augue, ac lobortis metus sagittis et. Nulla faucibus, mauris non lacinia auctor, odio ex condimentum eros, nec euismod libero magna vel arcu. In eu purus nunc. Donec tempor, metus eget aliquet ultricies, felis libero condimentum nulla, hendrerit porta tellus quam sed purus. Quisque egestas sit amet urna non scelerisque. Quisque vestibulum sit amet nibh sit amet dignissim. Maecenas semper, elit sit amet sollicitudin lobortis, urna nisl ullamcorper tortor, et pulvinar risus ligula a felis. Nullam interdum velit non lectus tempus faucibus. Aenean vel pellentesque odio. Sed ut leo at purus lobortis fermentum sed quis ligula. Nullam dictum magna vitae convallis ullamcorper. In ut varius nunc. Vivamus molestie nibh vel ipsum euismod accumsan. Mauris bibendum elit quis nisi venenatis, a suscipit leo egestas.

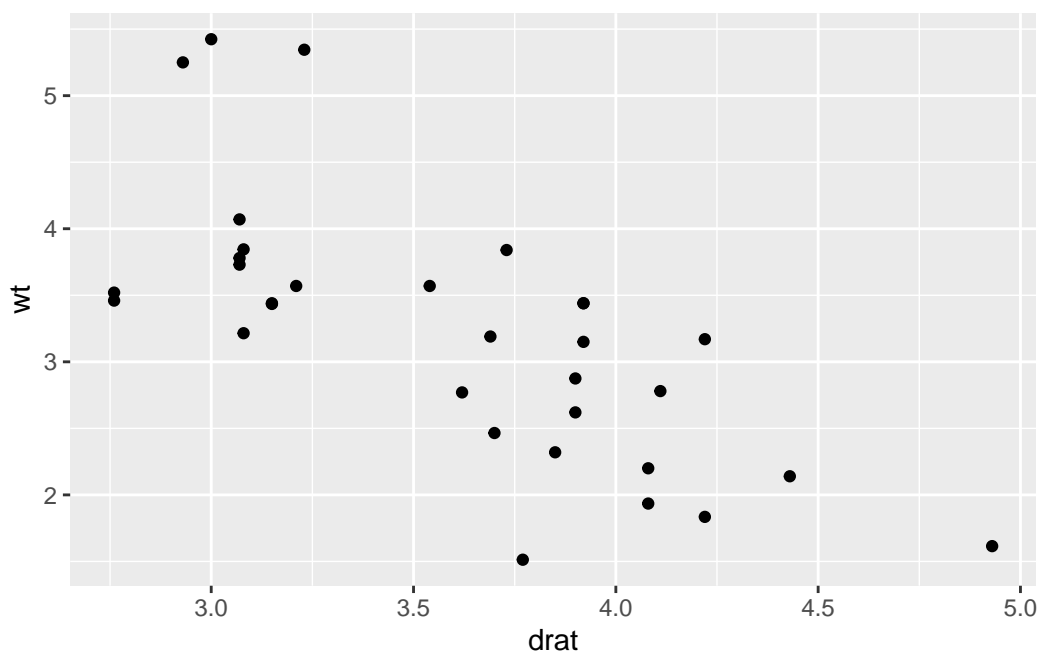
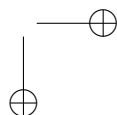
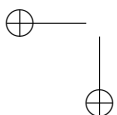
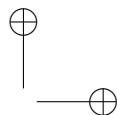
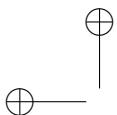


Figure 1: This is Figure 1, which I made using ggplot2



THE FIRST CHAPTER

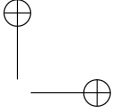
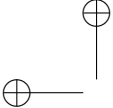
Phasellus ultricies rhoncus massa quis dignissim. Praesent pretium, augue eget iaculis posuere, sem felis cursus orci, at rutrum neque risus ut sapien. Curabitur in est id neque lacinia fringilla in sit amet felis. Nunc suscipit est quis neque posuere, laoreet sodales risus luctus. Vestibulum ultricies interdum dictum. Maecenas sit amet nisi diam. Aenean enim sapien, vestibulum eget suscipit accumsan, malesuada id ante. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas accumsan magna vel velit egestas feugiat. Fusce sed arcu at sapien feugiat porttitor in et sem. Phasellus fringilla ornare ipsum. Maecenas eleifend felis quis fringilla tincidunt. Sed auctor, dui eu viverra gravida, urna elit semper lorem, in gravida lacus metus ut erat. Nam vitae imperdiet lacus.

Ut eu fermentum risus, quis laoreet nisl. Vestibulum feugiat blandit lectus nec blandit. Mauris interdum sem id nunc interdum facilisis. Fusce commodo, purus sed gravida pretium, risus mi volutpat enim, viverra posuere augue enim at velit. Fusce sollicitudin ipsum laoreet imperdiet tempor. Vestibulum vel dapibus est. Nulla vitae quam congue, porttitor odio vel, iaculis est. Vestibulum tortor massa, feugiat quis nunc sed, scelerisque rhoncus dui. Ut non ultrices ligula, vestibulum faucibus tellus. Sed eu arcu hendrerit, scelerisque mauris vel, commodo justo.

Duis eros felis, vestibulum non erat vel, tempor finibus justo. Aliquam vehicula nisl a dolor interdum aliquet. Fusce maximus dui pellentesque lorem posuere, id ullamcorper lacus posuere. Sed vel nisl mauris. Donec eu dignissim urna, id accumsan ipsum. Pellentesque facilisis a justo nec tempor. Integer sit amet nibh iaculis nisi viverra porta. In viverra elit eget tincidunt placerat. Cras dolor diam, porta eget purus at, commodo

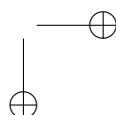
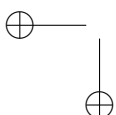
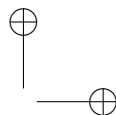
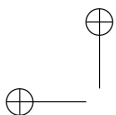


Figure 2: A picture of Cudillero, a village in my home Asturias (Spain)



elementum sem. Aliquam nec semper leo.

Donec gravida arcu nec felis viverra placerat. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Orci varius natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam ornare ligula sed sagittis ornare. Quisque magna orci, aliquam vitae nisl non, pellentesque sodales sapien. Donec eleifend posuere magna, quis convallis orci auctor quis. Vestibulum vulputate mi vel efficitur egestas. Suspendisse quis sapien in sem rutrum porttitor sit amet ac lorem. Mauris gravida augue eu purus faucibus, id accumsan est varius. Curabitur id ex egestas, sagittis erat id, eleifend nunc.



THE SECOND CHAPTER

Sed eleifend congue aliquam. Aenean risus tellus, tincidunt at venenatis id, maximus feugiat nunc. Phasellus tellus enim, euismod auctor nisi at, blandit aliquam ligula. Donec auctor dignissim eros. Etiam et enim diam. Aenean eget tellus sodales, laoreet risus at, imperdiet mauris. Cras nulla nulla, vehicula id accumsan vitae, malesuada at neque. Curabitur suscipit risus at sodales sagittis. Nam molestie sapien tincidunt placerat semper. Vestibulum ut eleifend urna, at aliquet quam.

This is Table 1, which contains the `mtcars` dataset

mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
18.7	8	360	175	3.15	3.440	17.02	0	0	3	2
18.1	6	225	105	2.76	3.460	20.22	1	0	3	1

Integer dui odio, fringilla sit amet consequat a, accumsan ut eros. Sed mauris risus, laoreet sit amet nunc id, ornare sagittis odio. Suspendisse elementum laoreet condimentum. Sed molestie mauris diam. Interdum et malesuada fames ac ante ipsum primis in faucibus. Praesent blandit at nisl imperdiet sagittis. In at metus sem. Aliquam ultricies fermentum risus, malesuada auctor nisi elementum quis. Nulla facilisis aliquet lacus, non aliquam justo volutpat vitae.

Phasellus vitae nisl purus. Nullam sed odio elit. Maecenas gravida convallis faucibus. Nulla pellentesque, nulla ut efficitur commodo, tortor nulla aliquet leo, ut commodo enim magna sit amet erat. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse potenti. Donec euismod eros eu rhoncus mollis. Fusce id enim in sem sodales tempor eu quis dolor. Nulla sed elit eget ex blandit consequat ac tincidunt quam. Mauris ac sem eget nibh convallis venenatis. Ut ullamcorper egestas condimentum. Suspendisse ut pharetra neque. Donec scelerisque at odio et congue. Sed quis turpis at velit vestibulum sollicitudin eu ut elit. Suspendisse placerat hendrerit rutrum. Praesent accumsan ligula nec eleifend dapibus.

DISCUSSION

Aliquam at massa turpis. Donec ac aliquet ligula. Integer eget magna mauris. Vestibulum venenatis ac risus eu ultrices. Suspendisse fringilla vestibulum blandit. Integer hendrerit fermentum ante, molestie consequat risus faucibus nec. Donec pellentesque condimentum bibendum. Cras suscipit ut elit in ullamcorper. Phasellus egestas arcu quis mi posuere, vitae commodo lorem mattis. Nulla a risus nec ligula finibus facilisis. In lorem mauris, pretium at libero et, hendrerit ornare orci. Aliquam sed odio vel lacus ullamcorper vehicula eget nec purus.

Suspendisse potenti. Sed eget urna ac tortor ornare ullamcorper nec eu urna. Donec quis auctor metus. Curabitur quis pretium turpis. Sed ut lobortis nisi. Aenean eu mattis tortor. In ullamcorper interdum lacus eu euismod. Proin hendrerit lorem ut nibh malesuada, non hendrerit mi viverra. Aliquam quam nunc, fringilla consectetur imperdiet et, consectetur id libero. Etiam vestibulum ex vitae neque placerat, nec eleifend purus euismod. Ut eu magna ipsum. In odio nibh, posuere sit amet convallis sed, dignissim id ligula. Donec eleifend, massa sit amet eleifend volutpat, est erat laoreet ligula, dapibus dapibus nulla diam nec nunc. Orci varius natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aenean a fringilla dui, eu interdum ex. Mauris auctor consectetur arcu, id tincidunt odio iaculis sit amet.

Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Fusce efficitur lacus et sem ornare, et elementum leo imperdiet. Mauris sit amet vehicula lacus. Donec lacinia pharetra dui et maximus. Ut lobortis sit amet massa consectetur tempus. Duis mauris erat, semper non eros et, pellentesque aliquam turpis. Etiam augue libero,

iaculis interdum sollicitudin feugiat, sollicitudin vitae nulla. Aliquam non molestie erat, vel pellentesque eros. Mauris sagittis, urna id vestibulum bibendum, lectus eros faucibus odio, non congue ipsum nulla a ante.

Vestibulum vulputate, sapien ut convallis consequat, lorem est ullamcorper neque, a malesuada arcu sem ac ipsum. Duis ac semper ipsum. Aliquam eget lorem dignissim, pretium orci non, sollicitudin arcu. Quisque urna ipsum, tincidunt ac risus eu, suscipit sollicitudin tellus. Donec eget tortor et neque venenatis vestibulum. In vestibulum massa vitae arcu maximus consectetur. Phasellus tellus tellus, congue sit amet nisl vitae, tempus hendrerit nisi. Maecenas ullamcorper quis elit vitae auctor. Curabitur egestas eleifend justo, et fringilla mauris commodo ut. Vestibulum maximus neque dolor, at dictum nunc cursus et. Maecenas ac cursus nulla. Nunc ut massa ex. Suspendisse potenti. Vivamus est nisi, varius ut arcu eget, iaculis convallis ex. Etiam condimentum magna mi, et rhoncus nulla efficitur ac. Proin ultricies mattis neque, sed varius erat.

Donec porttitor facilisis sapien id scelerisque. Aliquam gravida tristique lobortis. Cras lacinia mattis sapien, a accumsan risus interdum vitae. Nam diam mauris, sollicitudin eu commodo ut, convallis sit amet est. Nam volutpat nibh vel orci euismod tempus. Donec in sem magna. Pellentesque eleifend commodo enim, ut suscipit odio tempus ut. Nullam tempor turpis sapien, in suscipit quam finibus quis. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Sed semper orci dolor, finibus ornare odio viverra vel. In tellus ante, vulputate nec purus ac, feugiat viverra mi.

BIBLIOGRAPHY

- Bolliger, S. A., Ross, S., Oesterhelweg, L., Thali, M. J., & Kneubuehl, B. P. (2009). Are full or empty beer bottles sturdier and does their fracture-threshold suffice to break the human skull? *Journal of Forensic and Legal Medicine*, 16(3), 138–142.
- Wickham, H., Averick, M., Bryan, J., Chang, W., McGowan, L. D., François, R., Grolemond, G., Hayes, A., Henry, L., Hester, J., et al. (2019). Welcome to the tidyverse. *Journal of Open Source Software*, 4(43), 1686.