

The `emlab` package*

Eddie Antonio Santos
easantos@ualberta.ca

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1 Introduction

This package provides useful macros for software engineering papers.

2 Usage

`\etal` Use `\etal` to typeset “et al.” appropriately.
We extended the method used by So-and-So `\etal~\cite{soandso}`.
We extended the method used by So-and-So et al. [?].

`\ngram` Use `\ngram` to typeset n -gram appropriately.
We built an `\ngram\` language model.
We built an n -gram language model.

`\token{<text>}` Use `\token`, and its small-caps variant `\stoken` to typeset tokens for use in
`\stoken{<text>}` demonstrating a natural language pipeline.
Accuracy was highest for `\token{if}` and `\stoken{Identifier}` tokens.
Accuracy was highest for `\token{if}` and `\stoken{IDENTIFIER}` tokens.

`\researchquestion{<text>}` Use `\researchquestion` to declare a research question. Refer to it inline in
`\RQ{<number>}` text using `\RQ`. In both cases, you must explicitly provide the research question
number.
`\researchquestion{\RQ{1}}`: What do we do with 14,374 pairs of stolen underwear?
RQ1: What do we do with 14,374 pairs of stolen underwear?
The answer to `\RQ1` proved to be inconclusive.
The answer to **RQ1** proved to be inconclusive.

3 Implementation

`\ngram` It uses a math mode n to emphasize that n is a mathematical constant, and not
an abbreviation.
`\newcommand{\ngram}{\(\mathit{n}\)-gram}`

*This document corresponds to `emlab` v1.0, dated 2017/04/11.

```

\etal We could probably go really crazy with the implementation, but this is sufficient
      for now.
      2 \newcommand{\etal}{et al.}

\RQ
      3 \newcommand{\RQ}[1]{\textbf{RQ\#1}}

\researchquestion
      4 \newcommand\researchquestion[1]{\begin{quote}\#1\end{quote}}

\token,\stoken
      5 \newcommand{\token}[1]{\small\framebox{\#1}}
      6 \newcommand{\stoken}[1]{\token{\textsc{\#1}}}

```

Change History

v1.0
 General: Initial version 1

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Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

Symbols		F	S
\(1	\framebox 5	\small 5
\)	1	N	\stoken{\ttfamily\char‘\{} \meta\text}{\ttfamily\char‘\{}
		\ngram <u>1</u> , 1 1
B		R	T
\begin	4	\researchquestion . . <u>4</u>	\textbf 3
		\researchquestion{\ttfamily\char‘\{} \meta\text}{\ttfamily\char‘\{}	\textsc 6
E			\token,\stoken <u>5</u>
\end	4	\RQ <u>3</u>	\token{\ttfamily\char‘\{} \meta\text}{\ttfamily\char‘\{}
\etal	1, <u>2</u>	\RQ\meta\{number} . . 1 1