Latex macros

In [1]:

```
%%latex
$$
\newcommand{\x}{\mathbf{x}}
\newcommand{\tx}{\tilde{\x}}
\newcommand{\y}{\mathbf{y}}
\newcommand{\b}{\mathbf{b}}
\newcommand{\c}{\mathbf{c}}
\newcommand{\e}{\mathbf{e}}
\newcommand{\z}{\mathbf{z}}
\newcommand{\h}{\mathbf{h}}
\newcommand{\u}{\mathbf{u}}
\newcommand{\v}{\mathbf{v}}
\newcommand{\w}{\mathbf{w}}
\newcommand{\V}{\mathbf{V}}
\newcommand{\W}{\mathbf{W}}
\newcommand{\X}{\mathbf{X}}
\newcommand{\KL}{\mathbf{KL}}
\newcommand{\E}{{\mathbb{E}}}
\newcommand{\Reals}{{\mathbb{R}}}
\newcommand{\ip}{\mathbf{{(i)}}}
%
% Test set
\newcommand{\xt}{\underline{\x}}
\newcommand{\yt}{\underline{\y}}
\newcommand{\Xt}{\underline{\X}}
\newcommand{\perfm}{\mathcal{P}}
%
% \ll indexes a layer; we can change the actual letter
\newcommand{\ll}{l}
\newcommand{\llp}{{(\ll)}}
%
\newcommand{Thetam}{\Theta_{-0}}

% CNN
\newcommand{\kernel}{\mathbf{k}}
```

```
\newcommand{\dim}{d}
\newcommand{\idxspatial}{{\text{idx}}}
\newcommand{\summaxact}{\text{max}}
%
%

% RNN
% \tt indexes a time step
\newcommand{\tt}{t}
\newcommand{\tp}{{(\tt)}}
%
%

% LSTM
\newcommand{\g}{\mathbf{g}}
\newcommand{\remember}{\mathbf{remember}}
\newcommand{\save}{\mathbf{save}}
\newcommand{\focus}{\mathbf{focus}}
%
%
% NLP
\newcommand{\Vocab}{\mathbf{V}}
\newcommand{\v}{\mathbf{v}}
\newcommand{\offset}{o}
\newcommand{\o}{o}
\newcommand{\Emb}{\mathbf{E}}
%
%
\newcommand{\loss}{\mathcal{L}}
\newcommand{\cost}{\mathcal{L}}
%
%
\newcommand{\pdata}{p_\text{data}}
\newcommand{\pmodel}{p_\text{model}}
%
% SVM
```