the Tarzan

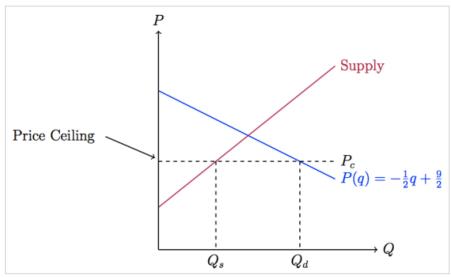
[R] + applied economics.

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TikZ diagrams for economists: A price ceiling

I have been dabbling with the **TikZ package** to create some diagrams relevant to a first year microeconomics course. The following diagram of a price ceiling may be useful to others wishing to integrate similar diagrams into their LaTeX documents or Beamer presentations. To use, insert the following code anywhere you like within a .tex document (you must include \usepackage{tikz} in your header):



This diagram was created with the TikZ package in LaTeX.

INSERT INTO .TEX DOCUMENT

```
\begin{tikzpicture}[domain=0:5,scale=1,thick]
\usetikzlibrary{calc} %allows coordinate calculations.
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                  \def\dslp{-0.5}
\def\sint{1.2}
                                                                                                    %Y-intercept for SUPPLY. %Slope for SUPPLY.
                   \left( def \right) = \left( 0.8 \right)
                                                                                                     %Price floor or ceiling
                   \def\pfc{2.5}
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                   % Define coordinates.
                                \coordinate (ints) at ({(\si
\coordinate (ep) at (0,{(\si
\coordinate (eq) at ({(\sir
                                                                                                                                                                                                                                                        int)/(\dslp-\sslp)*\sslp+\sint});
                                                                                                                                        Follow "the Tarzan"
                                Get every new post delivered
                                 \coordinate (pfq) at \coordinate (pfp) at \coordinate (sfq) at
                                                                                                                                                                    to your Inbox.
                                                                                                                                                       Join 78 other followers
                                 \coordinate (sfp) at
                                                                                                                                           Enter your email address
                                 \draw[thick,color=blue] plot
                                                                                                                                                                                                                                                       frac{1}{2}q+frac{9}{2};
                                                                                                                                                                         Sign me up
                                 \draw[thick,color=purple] p]
                  % Draw axes, and dotted equilibr

\draw[->] (0,0) -- (6.2,0) r Build a website wit

\draw[->] (0,0) -- (0,6.2) node[above] (ههر);
                                                                                                                                         Build a website with WordPress.com
                               38
39
                   \label{lem:condition} $$ \operatorname{line}(-), baseline=5] ($(0,{\rhofc})+(-1.5,0.7)$) \ node[label= left:Price Ceiling] {} -- ($(0,{\rhofc})+(-1.9.1)$); $$ (a) $(-1,0.1)$; $(-1,0.1)$; $$ (a) $(-1,0.1)$; $$ (a) $(-1,0.1)$; $$ (a) $(-1,0.1)$; $$ (b) $(-1,0.1)$; $$ (a) $(-1,0.1)$; $$ (b) $(-1,0.1)$; $$ (a) $(-1,0.1)$; $$ (b) $(-1,0.1)$; $$ (b) $(-1,0.1)$; $$ (c) $(-1,0
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                   \end{tikzpicture}
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```

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Goulding Kevi

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