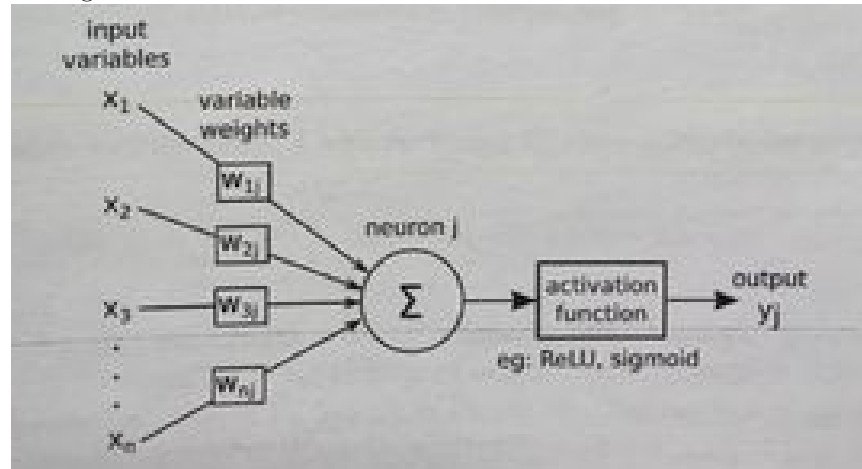


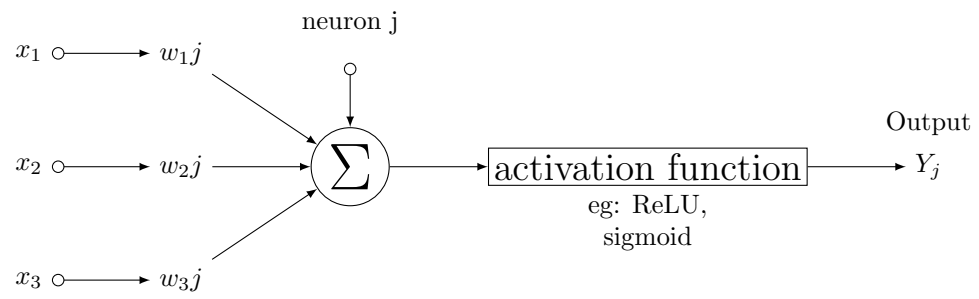
Zīmējums

Kristaps Rubuls

08.04.2019.

Paraugs:





```

\documentclass{report}
\usepackage[utf8]{inputenc}
\usepackage{verbatim}
\usepackage{graphicx}
\usepackage{amsmath,amssymb,latexsym}
\usepackage{ragged2e}
\usepackage{rotating}
\usepackage{scalerel,amssymb}
\usepackage{array}
\usepackage{tikz}
\usepackage{pgfplots}
\usetikzlibrary{matrix,chains,positioning,decorations.pathreplacing,arrows}
\usetikzlibrary{patterns}
\graphicspath{ {/home/user/images/} }

\title{Zīmējums}
\author{Kristaps Rubuls}
\date{08.04.2019.}

\begin{document}

\maketitle

Paraugš:

\includegraphics[scale=1.2]{cutmypic.png}

\clearpage

\begin{tikzpicture}[
init/.style={
draw,
circle,
inner sep=2pt,
font=\Huge,
join = by -latex
},
squa/.style={
draw,
inner sep=2pt,
font=\Large,
join = by -latex
},
start chain=2,node distance=13mm

```

```

]
\node[on chain=2]
  (x2)  $\{x_2\}$ ;
\node[on chain=2,join=by o-latex]
   $\{w_{2j}\}$ ;
\node[on chain=2,init] (sigma)
   $\{\displaystyle\Sigma\}$ ;
\node[on chain=2,squa,label=below:{\parbox{2cm}{\centering eg: ReLU, sigmoid}}]
  {activation
  function};
\node[on chain=2,label=above:Output,join=by -latex]
   $\{Y_j\}$ ;
\begin{scope}[start chain=1]
\node[on chain=1] at (0,1.5cm)
  (x1)  $\{x_1\}$ ;
\node[on chain=1,join=by o-latex]
  (w1)  $\{w_{1j}\}$ ;
\end{scope}
\begin{scope}[start chain=3]
\node[on chain=3] at (0,-1.5cm)
  (x3)  $\{x_3\}$ ;
\node[on chain=3,join=by o-latex]
  (w3)  $\{w_{3j}\}$ ;
\end{scope}
\node[label=above:{\parbox{2cm}{\centering neuron j}}] at (sigma|-w1) (b) {};

\draw[-latex] (w1) -- (sigma);
\draw[-latex] (w3) -- (sigma);
\draw[o-latex] (b) -- (sigma);

;

```