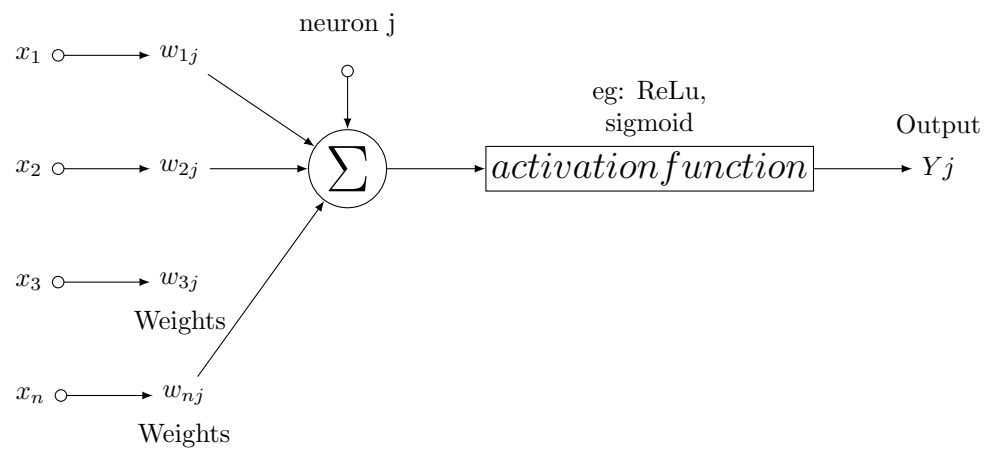


neuron graphic

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LaTeX kods:

```
\documentclass{report}
\usepackage[utf8]{inputenc}
\usepackage{tikz}
\usetikzlibrary{matrix,chains,positioning,decorations.pathreplacing,arrows}

\title{ziimeejums no bildes}
\author{lacisreiniss }
\date{April 2019}

\begin{document}

\maketitle


\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=above:{\parbox{2cm}{\centering eg: ReLu, sigmoid}}]
    {$activation \backslash function$};
\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,label=below:Weights,join=by o-latex]
  (w3)  $\{w_{3j}\}$ ;
\end{scope}

\begin{scope}[start chain=4]
\node[on chain=3] at (-1.6,-3cm)
  (xn)  $\{x_n\}$ ;
\node[on chain=3,label=below:Weights,join=by o-latex]
  (w3)  $\{w_{nj}\}$ ;
\end{scope}
%\begin{scope}[start chain=4]
%\node[on chain=3] at (-1.6,-3cm)
%  (xn)  $\{x_n\}$ ;
%\node[on chain=3 label=below:Weights,join=by o-latex]
%  (w3)  $\{w_{nj}\}$ ;
%\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);

%\draw[decorate,decoration={brace,mirror}] (x1.north west) -- node[left=10pt]
%{Input variables} (x3.south west);
\end{tikzpicture}

\newpage
LaTeX kods:

\begin{verbatim}

```