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Visualizing Decision Trees

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A normal tree


A decision tree

Source: Machine Learning for Humans
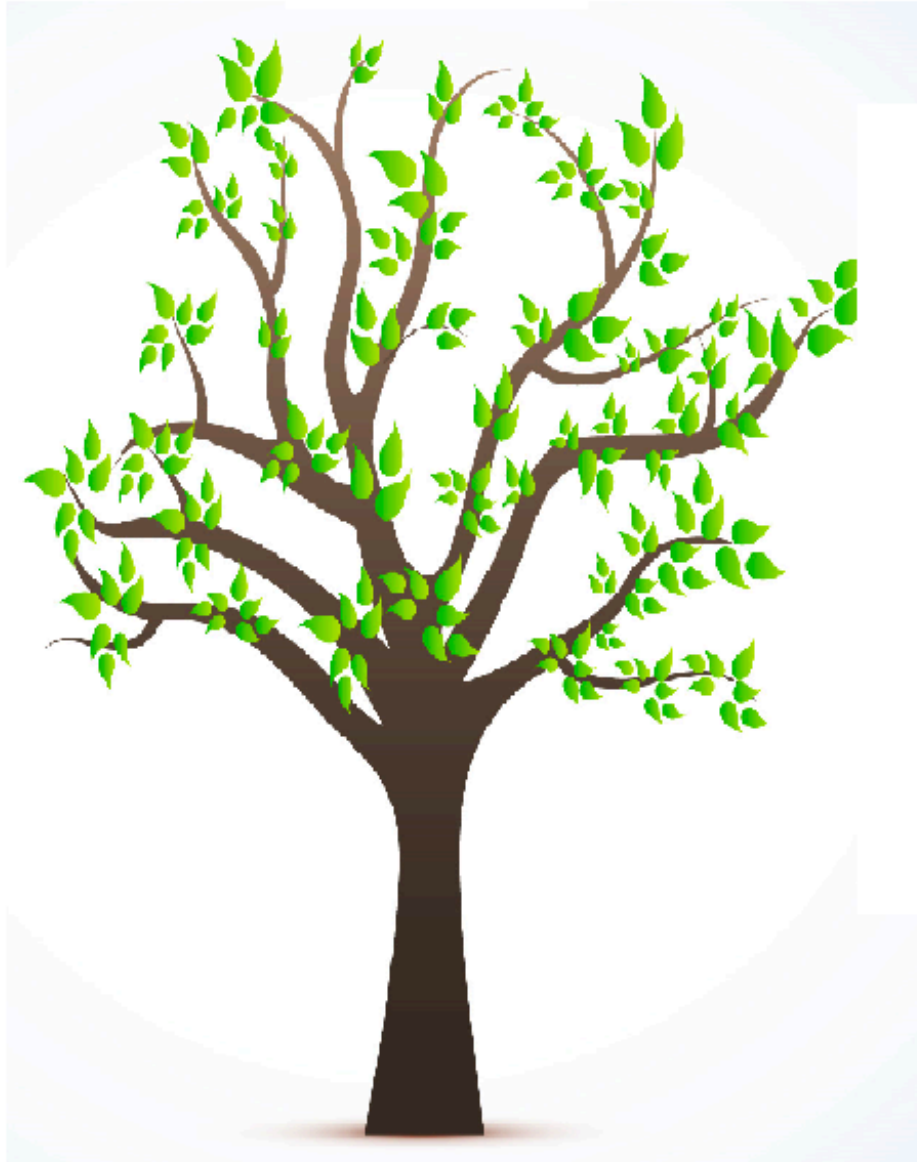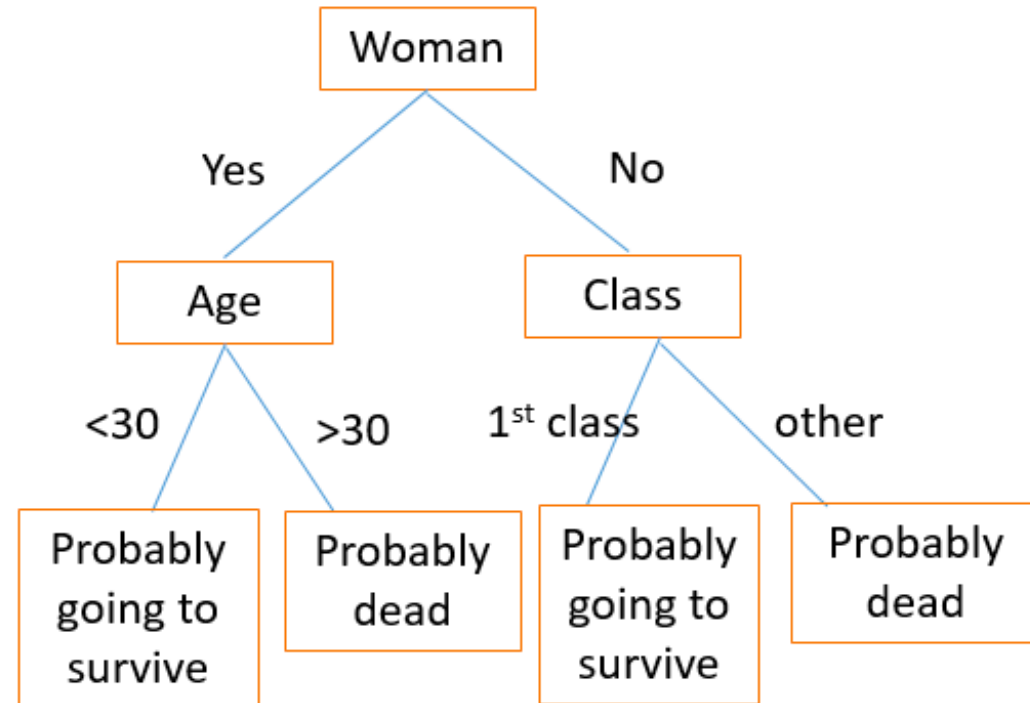
What We Will Do Today

• Download the notebook and data from here:

git clone https://github.com/ruze00/ga_sample_teach.git

• We will learn how to visualize a decision tree
• You will try it yourself with a different dataset

What You Should Have Installed

- anaconda 3 would be perfect, otherwise the following packages:

  python 3
  numpy
  pandas
  scikit-learn
  jupyter

- Also (not part of anaconda, so we have to install these separately):

  pip install graphviz or **conda install python-graphviz**
  pip install pydotplus

- We also have to install the **graphviz** application separately:

  (Mac) **brew install graphviz** or see download instructions below
  (Linux) **sudo apt install graphviz** or see download instructions below
  (Windows) see download instructions below

Download: **https://graphviz.gitlab.io/download/** and choose the installer for your system