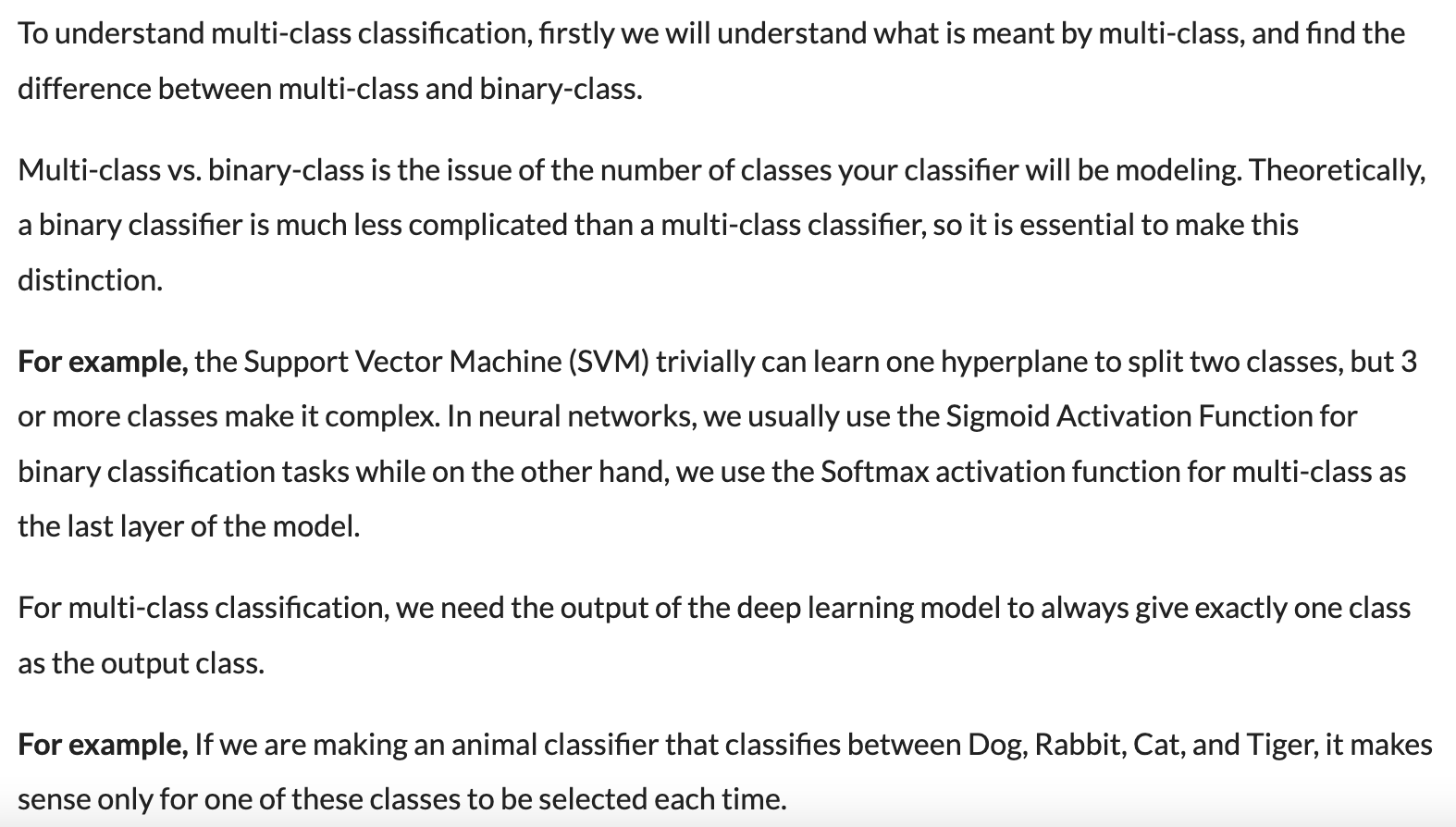
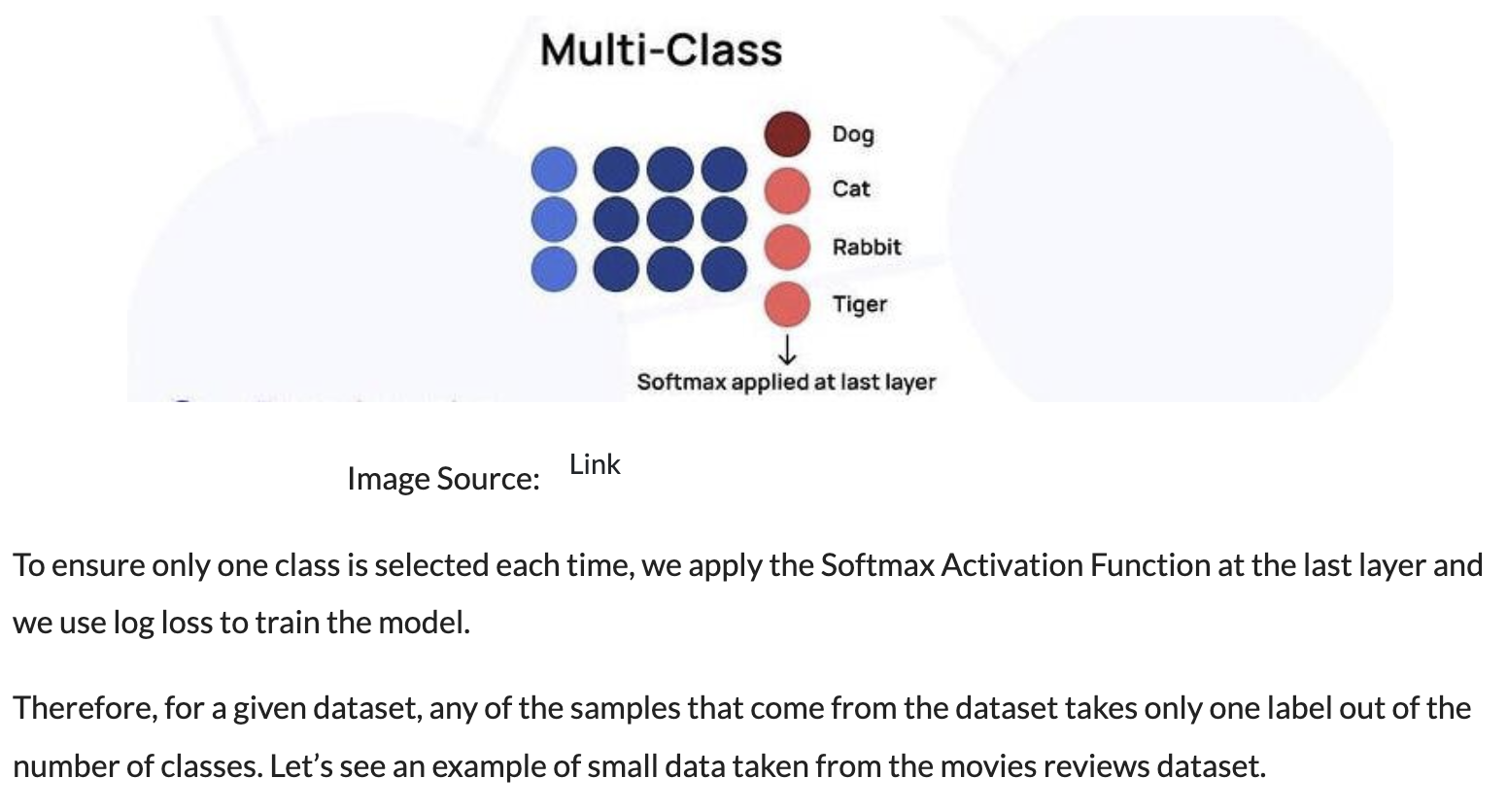
# **Binary Classification**

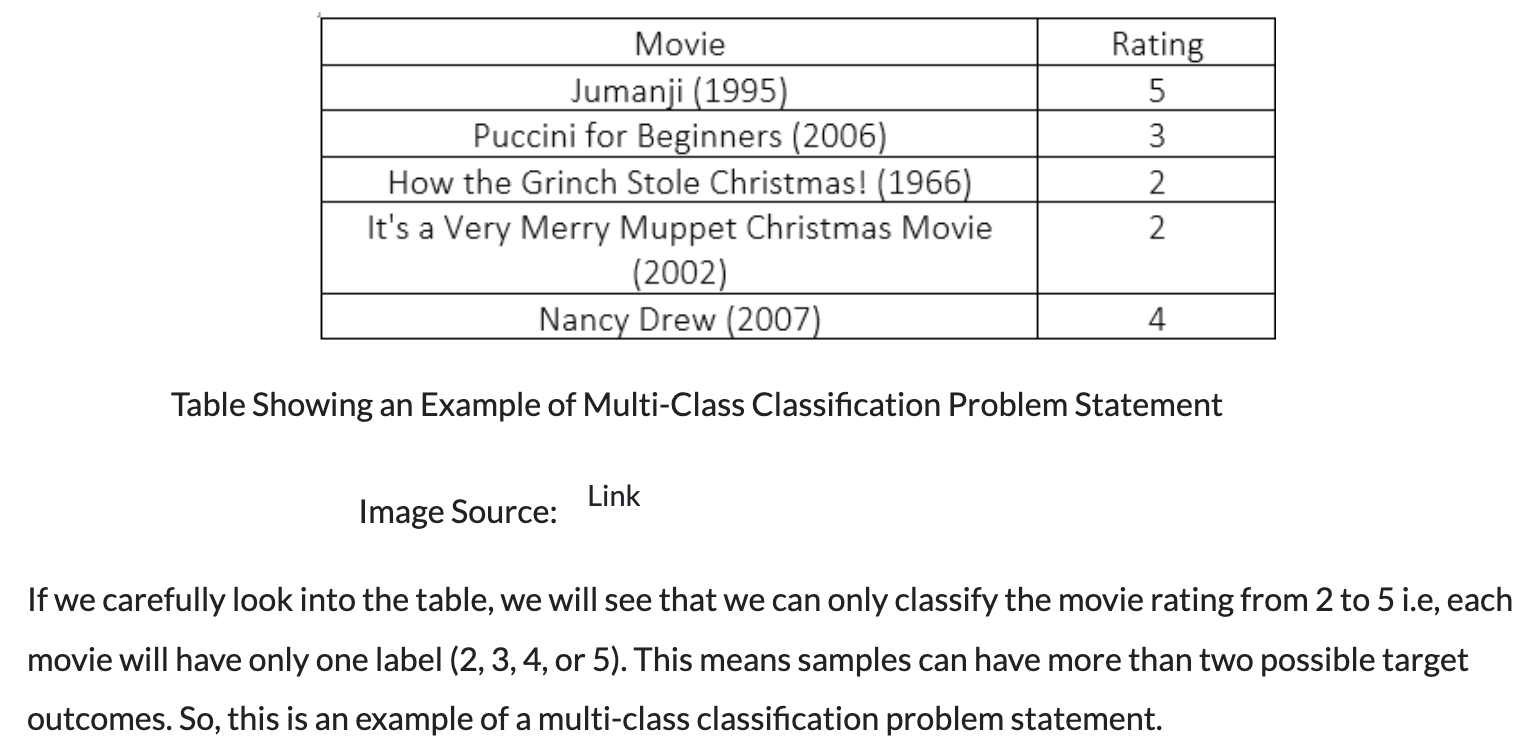
Table

Description automatically generated

# **Multi-class Classification**







# **Multi-label Classification**

Text, application

Description automatically generated with medium confidence

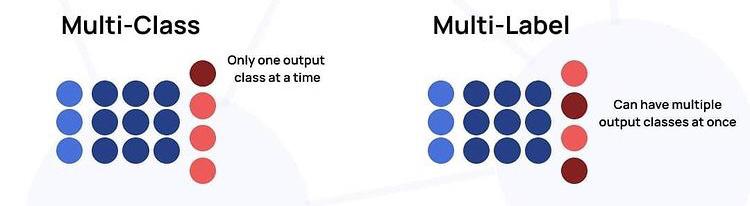
Table

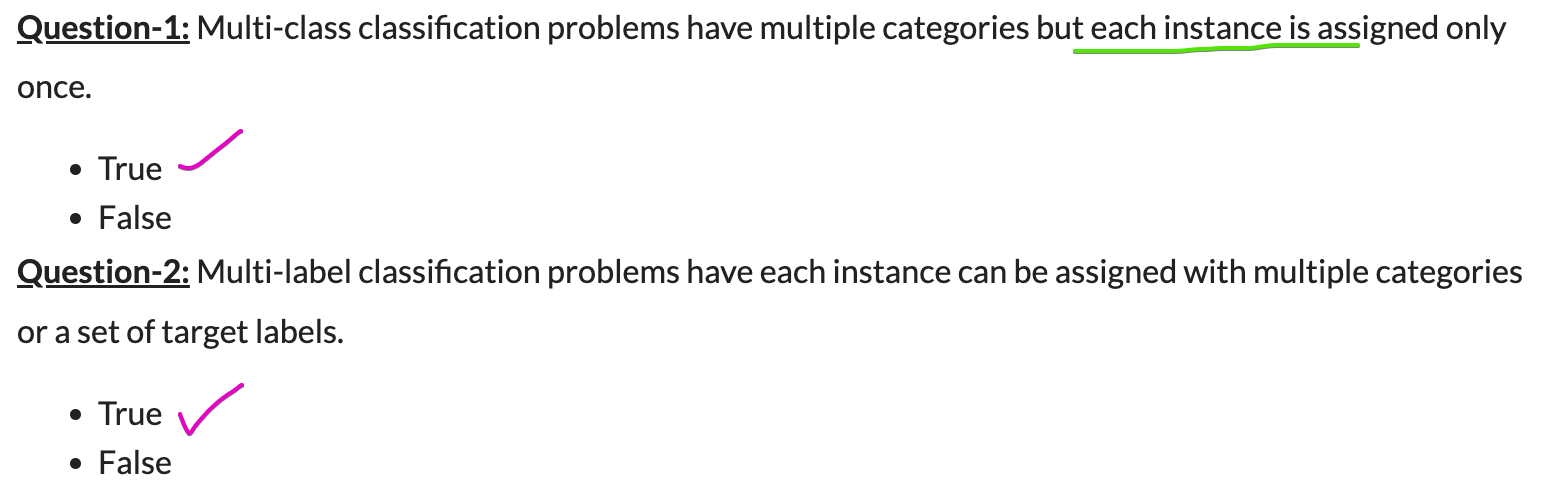
Description automatically generated

# **Difference in Real-life example**

Graphical user interface, text, application

Description automatically generated





# **Conclusion**

Classification Problem with a single output --> Multi-class classification problem

Classification Problem with multiple outputs --> Multi-label classification problem

# **References**

[Difference between Multi-Class and Multi-Label Classification (analyticsvidhya.com)](https://www.analyticsvidhya.com/blog/2021/07/demystifying-the-difference-between-multi-class-and-multi-label-classification-problem-statements-in-deep-learning/)