**Department of Electrical and Computer Engineering**

Homework Assignment No. 02:

**HW No. 02: Bayesian Decision Theory**

submitted to:

Professor Joseph Picone

ECE 8527: Introduction to Pattern Recognition and Machine Learning

Temple University

College of Engineering

1947 North 12th Street

Philadelphia, Pennsylvania 19122

January 24th, 2022

prepared by:

Gavin Koma  
Email: gavintkoma@temple.edu

# Description OF The Task

Briefly describe the general approach that you used to solve the problem(s). Show snippets of code and explain how this code works. Show results in tables comparing new results to your baselines.

For examples of well-formatted documents, please review these conference abstracts:

https://isip.piconepress.com/publications/conference\_presentations/2021/ieee\_spmb/dpath/abstract\_v22.docx

https://isip.piconepress.com/publications/conference\_presentations/2021/ieee\_spmb/tueg/abstract\_v10.docx

For information on how to embed images and tables in textboxes, look here:

https://isip.piconepress.com/courses/temple/ece\_1111/resources/tutorials/tips\_ms\_word/

There are a number of useful MS Word tips at that site.

# Description OF The Task

Repeat the same process for the next task.

# Summary

Briefly describe what you learned from this assignment and ways you could improve your solutions.