**Kernel and Optimizer Impact Analysis in Gaussian Process Regression for Housing Price Prediction**

**Name: Your Name   
Student ID: Your ID**   
MSc Data Science and Computational Intelligence  
Email: ajis@coventry.ac.uk

***Abstract-*** An individual falls into the category of an orthopedic patient if they need medical aid for issues affecting the musculoskeletal system. This system comprises bones, ligaments, muscles, and joints (Lu C, Buckley JM, Colnot C, Marcucio R, Miclau T., 2009). Orthopedic conditions range from common issues like fractures and sprains to more complex ailments such as osteoarthritis, scoliosis, or Lumbar Disk Herniation (Alawneh, K., Al-dwiekat, M., Alsmirat, M., & Al-ayyoub, M., 2013), Individuals affected by these conditions often experience pain, limited mobility, and a reduced quality of life. Specialists in orthopedic medicine, surgery, and related healthcare fields are dedicated to diagnosing and treating these conditions, utilizing various approaches including surgical procedures, medications, physical therapy, and rehabilitation (Pedoia V, Haefeli J, Morioka K, Teng HL, Nardo L, Souza RB, Ferguson AR, Majumdar S., 2017).

***Abstract-*** An individual falls into the category of an orthopedic patient if they need medical aid for issues affecting the musculoskeletal system. This system comprises bones, ligaments, muscles, and joints (Lu C, Buckley JM, Colnot C, Marcucio R, Miclau T., 2009). Orthopedic conditions range from common issues like fractures and sprains to more complex ailments such as osteoarthritis, scoliosis, or Lumbar Disk Herniation (Alawneh, K., Al-dwiekat, M., Alsmirat, M., & Al-ayyoub, M., 2013), Individuals affected by these conditions often experience pain, limited mobility, and a reduced quality of life. Specialists in orthopedic medicine, surgery, and related healthcare fields are dedicated to diagnosing and treating these conditions, utilizing various approaches including surgical procedures, medications, physical therapy, and rehabilitation (Pedoia V, Haefeli J, Morioka K, Teng HL, Nardo L, Souza RB, Ferguson AR, Majumdar S., 2017).

***Abstract-*** An individual falls into the category of an orthopedic patient if they need medical aid for issues affecting the musculoskeletal system. This system comprises bones, ligaments, muscles, and joints (Lu C, Buckley JM, Colnot C, Marcucio R, Miclau T., 2009). Orthopedic conditions range from common issues like fractures and sprains to more complex ailments such as osteoarthritis, scoliosis, or Lumbar Disk Herniation (Alawneh, K., Al-dwiekat, M., Alsmirat, M., & Al-ayyoub, M., 2013), Individuals affected by these conditions often experience pain, limited mobility, and a reduced quality of life. Specialists in orthopedic medicine, surgery, and related healthcare fields are dedicated to diagnosing and treating these conditions, utilizing various approaches including surgical procedures, medications, physical therapy, and rehabilitation (Pedoia V, Haefeli J, Morioka K, Teng HL, Nardo L, Souza RB, Ferguson AR, Majumdar S., 2017).

***Abstract-*** An individual falls into the category of an orthopedic patient if they need medical aid for issues affecting the musculoskeletal system. This system comprises bones, ligaments, muscles, and joints (Lu C, Buckley JM, Colnot C, Marcucio R, Miclau T., 2009). Orthopedic conditions range from common issues like fractures and sprains to more complex ailments such as osteoarthritis, scoliosis, or Lumbar Disk Herniation (Alawneh, K., Al-dwiekat, M., Alsmirat, M., & Al-ayyoub, M., 2013), Individuals affected by these conditions often experience pain, limited mobility, and a reduced quality of life. Specialists in orthopedic medicine, surgery, and related healthcare fields are dedicated to diagnosing and treating these conditions, utilizing various approaches including surgical procedures, medications, physical therapy, and rehabilitation (Pedoia V, Haefeli J, Morioka K, Teng HL, Nardo L, Souza RB, Ferguson AR, Majumdar S., 2017).

***Abstract-*** An individual falls into the category of an orthopedic patient if they need medical aid for issues affecting the musculoskeletal system. This system comprises bones, ligaments, muscles, and joints (Lu C, Buckley JM, Colnot C, Marcucio R, Miclau T., 2009). Orthopedic conditions range from common issues like fractures and sprains to more complex ailments such as osteoarthritis, scoliosis, or Lumbar Disk Herniation (Alawneh, K., Al-dwiekat, M., Alsmirat, M., & Al-ayyoub, M., 2013), Individuals affected by these conditions often experience pain, limited mobility, and a reduced quality of life. Specialists in orthopedic medicine, surgery, and related healthcare fields are dedicated to diagnosing and treating these conditions, utilizing various approaches including surgical procedures, medications, physical therapy, and rehabilitation (Pedoia V, Haefeli J, Morioka K, Teng HL, Nardo L, Souza RB, Ferguson AR, Majumdar S., 2017).