Sustainable Data Science and Artificial Intelligence

Tutorial #5

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| --- | --- |
| **My Name:** |  |

**QUESTION 1**

**Results:**

|  |  |
| --- | --- |
| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE 1  #define EPOCHS 10000 |  |

**Results:**

|  |  |
| --- | --- |
| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE 5  #define EPOCHS 10000 |  |

**Results:**

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| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE 10  #define EPOCHS 10000 |  |

**Results:**

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| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE 15  #define EPOCHS 10000 |  |

**Results:**

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| --- | --- |
| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE 20  #define EPOCHS 10000 |  |

**Results:**

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| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE 25  #define EPOCHS 10000 |  |

**Results:**

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| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE 30  #define EPOCHS 10000 |  |

**Results:**

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| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE 35  #define EPOCHS 10000 |  |

**Results:**

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| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE 40  #define EPOCHS 10000 |  |

**Results:**

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| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE 45  #define EPOCHS 10000 |  |

**QUESTION 2**

**N is the best result from Question 1.**

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| **N = ??** |

**Results:**

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| --- | --- |
| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE N-3 (**??**)  #define EPOCHS 10000 |  |

**Results:**

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| --- | --- |
| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE N-2 (**??**)  #define EPOCHS 10000 |  |

**Results:**

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| --- | --- |
| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE N-1 (**??**)  #define EPOCHS 10000 |  |

**Results:**

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| --- | --- |
| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE N+1 (**??**)  #define EPOCHS 10000 |  |

**Results:**

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| --- | --- |
| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE N+2 (**??**)  #define EPOCHS 10000 |  |

**Results:**

|  |  |
| --- | --- |
| **Hyperparameters** | **Outputs** |
| #define LEARNING\_RATE N+3 (**??**)  #define EPOCHS 10000 |  |