Sustainable Data Science and Artificial Intelligence

Tutorial #5

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

**QUESTION 1**

**Results:**

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

**Results:**

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| --- | --- |
| **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:**

|  |  |
| --- | --- |
| **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:**

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