1st PHASE MAP – REDUCE

**MAPPER**

INPUT

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| features | | | | | | class | Category  (train/test) |
| Feat1 | Feat2 | Feat3 | ……….. | Feat(n-1) | Feat(n) |  |  |
|  |  |  |  |  |  |  |  |

OUTPUT

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Count of Sample  number | category | class | features | | | |
|  |  |  | Feat1 | Feat2 | … | Feat N |
|  |  |  |  |  |  |  |

**REDUCER**

INPUT

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Count of Sample  number | category | class | features | | | |
|  |  |  | Feat1 | Feat2 | … | Feat N |
|  |  |  |  |  |  |  |

OUTPUT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| New Count of  Sample  number | class | Calculated value | | | |
|  |  | Feat 1 | Feat 2 | ….. | Feat N |
|  |  |  |  |  |  |

2ND PHASE MAP-REDUCE

**MAPPER**

INPUT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| New Count of  Sample  number | class | Calculated value | | | |
|  |  | Feat 1 | Feat 2 | ….. | Feat N |
|  |  |  |  |  |  |

OUTPUT

|  |  |  |
| --- | --- | --- |
| Count of Sample number | class | mean |
|  |  |  |

**REDUCER**

INPUT

|  |  |  |
| --- | --- | --- |
| Count of Sample number | class | mean |
|  |  |  |

OUTPUT

|  |  |
| --- | --- |
| Sample number | Predicted class |
|  |  |