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2025 USA-NA-AIO Round 2, Problem 3, Part 2

USAAIO May 2025

Part 2 (5 points, coding task)

This dataset is too big. In our contest, we only use a small portion with 1000 samples.

To avoid introducing any bias, we will randomly select 1000 distinct samples.

Use NumPy to randomly select 1000 sample indices.

- Use the random seed number 2025 to generated randomized indices. After the generation is completed, reset the seed number back to `None`.
- The name of the output is called `indices`. It must be a list that contains 1000 integer type (not numpy array integers) objects.

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```
### WRITE YOUR SOLUTION HERE ###

np.random.seed(2025)
indices = np.random.permutation(len(dataset_train))[:1000]
np.random.seed()
indices = [int(idx) for idx in indices]

""" END OF THIS PART """
```

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