

twinlab.get_sample

twinlab.get_sample(df, key)

Retrieve an individual sample from the multi-indexed dataframe returned by the `Emulator.sample()` method.

The output from the `Emulator.sample()` method is a multi-indexed dataframe where the first level of the index is the parameter name and the second level is the sample number. This convenience method allows you to isolate an individual sample from the dataframe by providing the sample number. The sample is returned as a standard dataframe.

Parameters:

- **df** (*pd.DataFrame*) – A multi-indexed dataframe returned by the `Emulator.sample()` method.
- **key** (*int*) – The integer key for the sample to retrieve.

Returns:

The individual sample as a standard (non-multi-indexed) dataframe.

Return type:

`pd.DataFrame`

Example

```
df = emulator.sample(df_X, 5) # Generates independent samples
tl.get_sample(df, 1) # Isolate sample "1"
```

```
      y
0  1.097485
1  0.835439
2  0.655124
```

