

List, tuples, strings – Slicing

```
mydata[ start_index : target_index : step]
```

```
      0   1   2   3   4   Positive index numbers  
x = [A, B, C, D, E]
```

```
     -5  -4  -3  -2  -1   Negative index numbers
```

```
x[:3] -> [A, B, C]
```

```
x[4:0:-1] -> [E, D, C, B]
```

```
x[0:5:2] -> [A, B, C]
```

```
x[4::-1] -> [E, D, C, B, A]
```

```
x[3:] -> [D, E]
```

```
x[::-1] -> [E, D, C, B, A]
```

```
x[4:-:-1] -> []
```

```
samples[ ::3] -> keep every third one (skip two of them)
```

```
samples[ :int(len(samples)*.25)]
```