

1.1 - Loops

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In [1]: import pandas as pd
```

```
In [2]: s = pd.Series(range(10000))
```

```
In [3]: l = list(s)
```

```
In [4]: %timeit -n 1 -r 1 [s.iloc[i] for i in range(len(s))]
```

1 loop, best of 1: 109 ms per loop

```
In [5]: %timeit -n 1 -r 1 [l[i] for i in range(len(l))]
```

1 loop, best of 1: 799 μ s per loop

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In [6]: %timeit -n 1 -r 1 s.iloc[-1:]
```

1 loop, best of 1: 149 μ s per loop

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In [7]: %timeit -n 1 -r 1 l[-1:]
```

1 loop, best of 1: 1.3 μ s per loop

0.1 For comparison

```
In [8]: import numpy as np
```

```
In [9]: a = np.array(l)
```

```
In [10]: %timeit -n 1 -r 1 [a[i] for i in range(len(a))]
```

1 loop, best of 1: 1.62 ms per loop

```
In [11]: %timeit -n 1 -r 1 a[-1:]
```

1 loop, best of 1: 7.67 μ s per loop