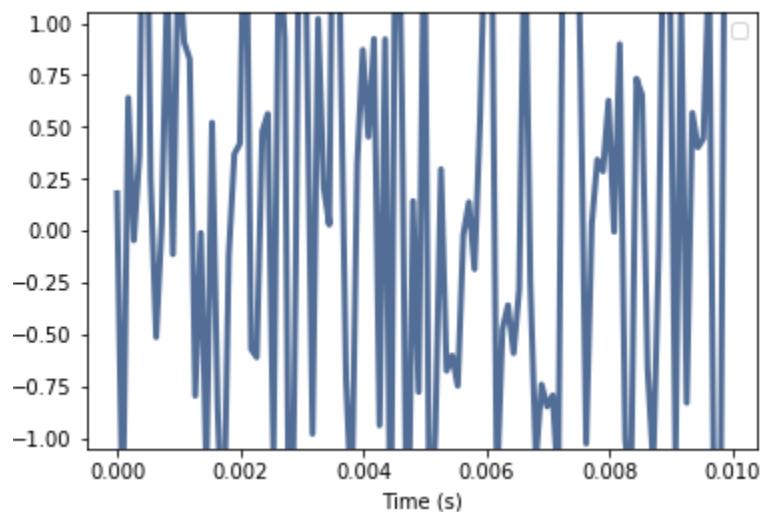


How to create an Uncorrelated Gaussian Noise

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ETA: 5 min

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Code

```
from __future__ import print_function, division

%matplotlib inline

import thinkdsp
import thinkplot

import numpy as np

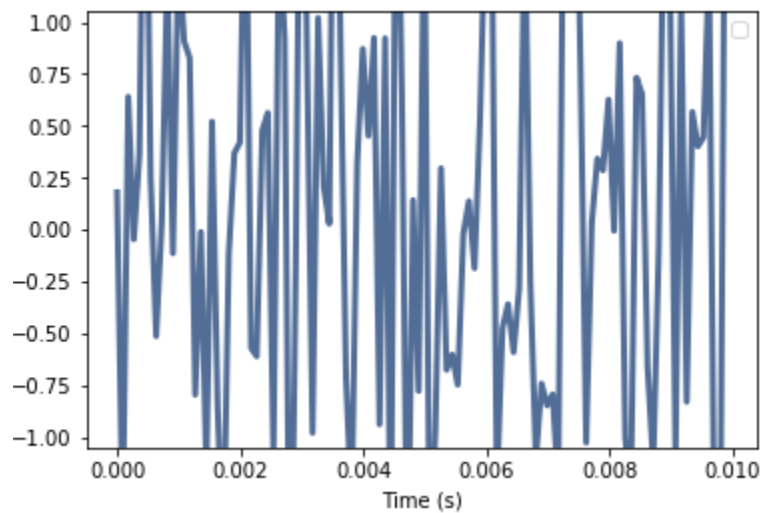
import warnings
warnings.filterwarnings('ignore')
```

```
from ipywidgets import interact, interactive, fixed
import ipywidgets as widgets
from IPython.display import display

signal = thinkdsp.UnrelatedGaussianNoise()
wave = signal.make_wave(duration=0.5, framerate=11025)

wave.segment(duration=0.01).plot()
thinkplot.config(xlabel='Time (s)', ylim=[-1.05, 1.05])
```

Result



Reference

- Chapter 5, <http://greenteapress.com/thinkdsp/thinkdsp.pdf>

