jupyter Numpy arrays to lidar files Last Checkpoint: a minute ago (autosaved)

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Run Code

In [2]:
```
import numpy as np
import pdal
```

In [19]:
```
# Create some random points
k = 1000

x,y = 100 * np.random.rand(2,k) + 100000
z = 100 * np.random.rand(k)

# With random intensities
intensity = np.random.randint(0,255,k)

# Create dtypes for these and labels for a heterogenous numpy array
dtypes=np.dtype([('X', 'f8'), ('Y', 'f8'), ('Z', 'f8'), ('intensity', '<u2')])

pipeline = pdal.Writer.las(
            filename='test.laz',
            offset_x='auto',
            offset_y='auto',
            offset_z='auto',
            scale_x=0.01,
            scale_y=0.01,
            scale_z=0.01,
        ).pipeline(np.array(list(zip(x,y,z,intensity)),dtype=dtypes))
pipeline.execute()
```

Out[19]: 1000