

Exercise 3.B

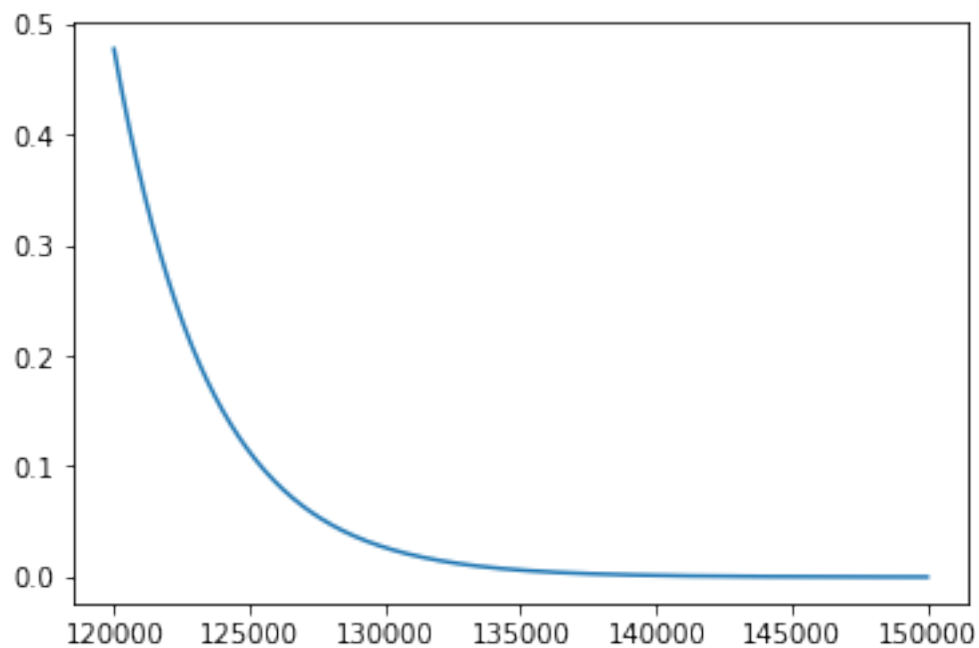
March 6, 2022

```
[1]: import matplotlib.pyplot as plt
     # ^^^ pyforest auto-imports - don't write above this line
     import numpy as np
```

```
[3]: x_1 = np.linspace(120000,150000, 1000000)
     y_1 = (16*x_1**3/3 + 20*x_1/3+4)*np.exp(-0.0003125*x_1)
     plt.plot(x_1,y_1)
     plt.gcf().axes[0].yaxis.get_major_formatter().set_scientific(False)
```

<IPython.core.display.Javascript object>

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```
[4]: x_1[np.argmin(y_1[y_1 >= 0.1])]
```

```
[4]: 125423.73542373543
```

[]: