**AREC 213: In Class Activity**

**You own a lot of property and plan to sell firewood by the cord. You can get $180 for each cord you sell. You create a deal with a couple of friends that they can keep 50% of every cord sold if you harvest and stack it. You will supply all the equipment at a cost of $150 per month.**

**Your sales are listed below.**

* 2017: 8 cords
* 2019: 15 cords
* 2020: 50 cords
* 2021: 108 cords

**Answer the Following**

1. What is the selling price and variable cost per unit
2. Determine your Profit or Loss for each 4 years
   1. Find gross profit for each year and total profit
   2. Find the cost of goods sold
   3. Find your Net Income
3. Find the average gross profit and net income for all five years
4. Create and label a chart that shows net income as a function of time