Python for Data Visualization

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Graphing Messy Data

**Practice Exercises: Graphing Messy Data (Solutions)**

1. 2. Create a histogram of the years each family has farmed with land using the 'years\_farm' column from `SAFI.csv`.

df\_SAFI['years\_liv'].plot(kind='hist')

1. Create histograms for each ward in the dataframe that visualize the number of years each family has lived on their famrs using the 'years\_liv' column from `SAFI.csv`.

df\_SAFI.plot(kind='hist', by='ward', column='years\_liv')

1. Create a boxplot of the number of plots on each farm ('plots\_count') grouped by village.

df\_SAFI.plot(kind='box', by='village', column=['plots\_count'])

1. Create a line graph that represents the relationship between the number of years each family has lived on the farm, and the number of people who live on the farm.

df\_SAFI.plot(kind="line", x="years\_liv", y="members\_count")