Heart Failure Prediction

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<https://www.kaggle.com/andrewmvd/heart-failure-clinical-data>

**Questions:**

1. Give me an analysis on the individuals who died from heart failure:
   1. What was the gender distribution? M- 62, F 34
   2. What was the average and median age? Avg- 65; Med- 65
   3. How many of them had (give me the number and the percentage of the sample):
      1. Anemia 46ppl; 78%
      2. Diabetes 40ppl; 42%
      3. High blood pressure 39ppl; 41%
      4. Were smokers, 30ppl; 31%
2. Give me an analysis on the individuals who didn’t die from heart failure:
   1. What was the gender distribution? M- 132, F71
   2. What was the average and median age? Avg- 59; Med-60
   3. How many of them had (give me the number and the percentage of the sample):
      1. Anemia 83ppl; 41%
      2. Diabetes 85ppl; 42%
      3. High blood pressure 66ppl; 33%
      4. Were smokers 66ppl; 33%
3. Explain what Ejection Fraction is (simple terms, don’t spend too much time on this, just enough to speak to it during your presentation)
   1. Then tell me the average ejection fraction for those who:
      1. Lived 40%
      2. Died 33 %
   2. What conclusion can you draw from this? EF<40% = higher chance of dying from heart failure.

**Criteria:**

1. Read the context and content
2. You will need to do all of this analysis in Excel
3. You will need to present the results of your analysis on Saturday with a presentation. The presentation will need to be at least 5 minutes long.
4. Please use graphs and images of your work in the presentation, at least 2 graphs.
5. When presenting, you will need to tell the story. Act as if you are giving this presentation to your director.
6. Additional insights and analysis are strongly encouraged.