

The Supply and Demand of the Pilot Shortage

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Overview

Is there an airline pilot shortage?

Demand: in the next 20 years, demand for commercial pilots will be at an all time high. Boeing pilot outlook projects this will require 177,000 new pilots.

2016-2017 the percent change in passengers was 3.03% and percentage change in pilots was only 1.22%.

IATA projects passenger trips to increase by 4.3% annually

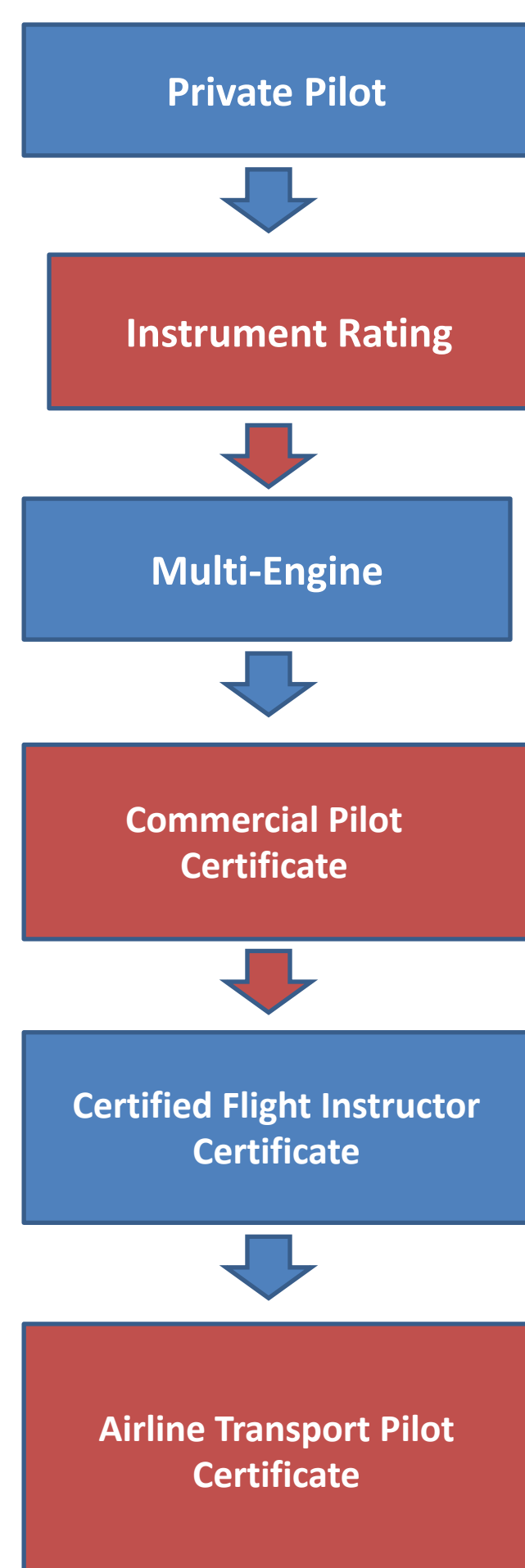
Supply: 3 categories: certified flight instructor, commercial pilot, airline transport pilot.

8.53% future pilots are no longer considering a career as an airline pilot.

32.54% future aviators are reconsidering their careers.

Shortage of 35,000 pilots between 2013 and 2031, as airline retirements accelerate.

Pilot requirements have increased due to Airline Safety and Federal Aviation Administration Extension act of 2010.

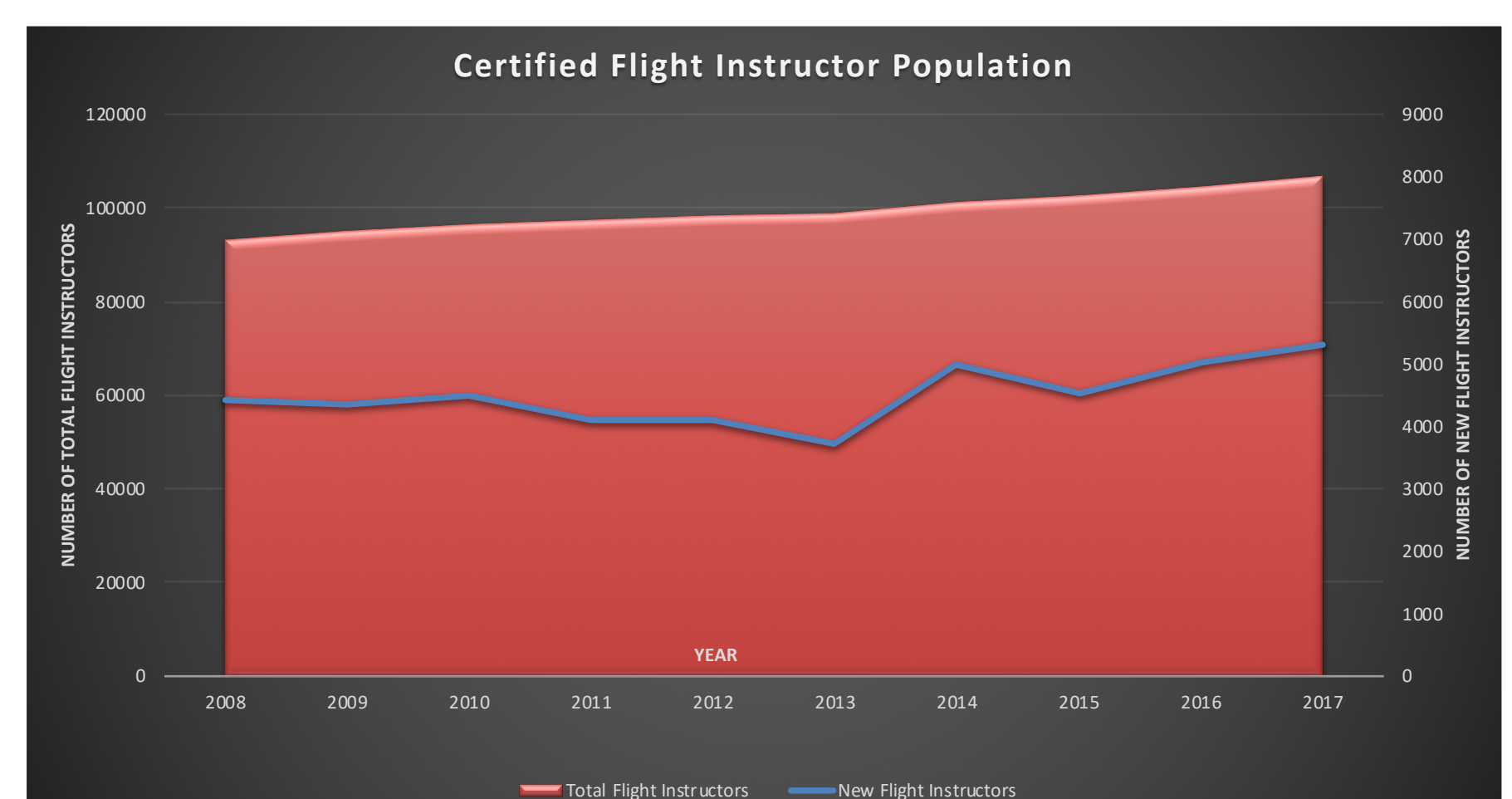
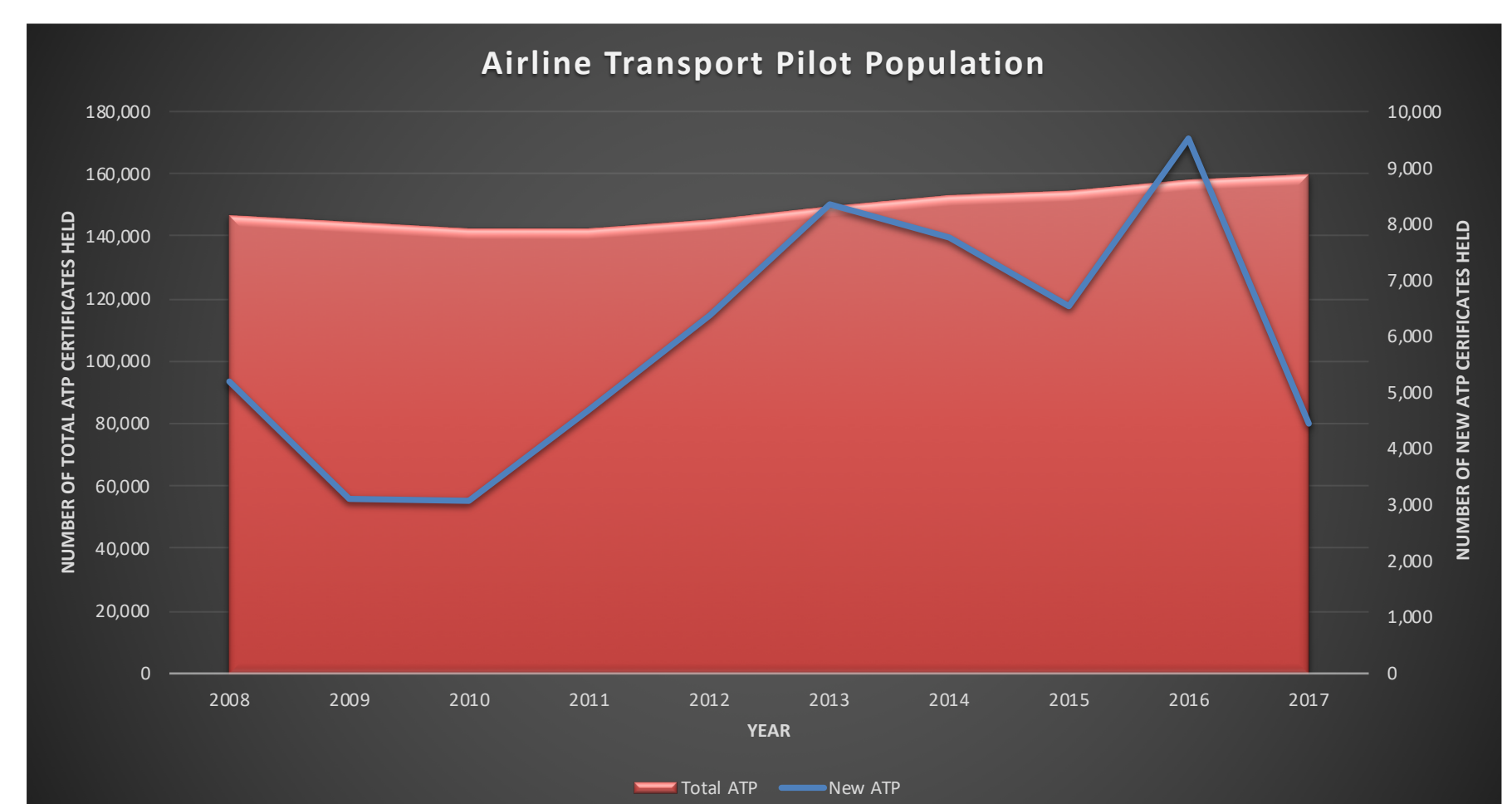
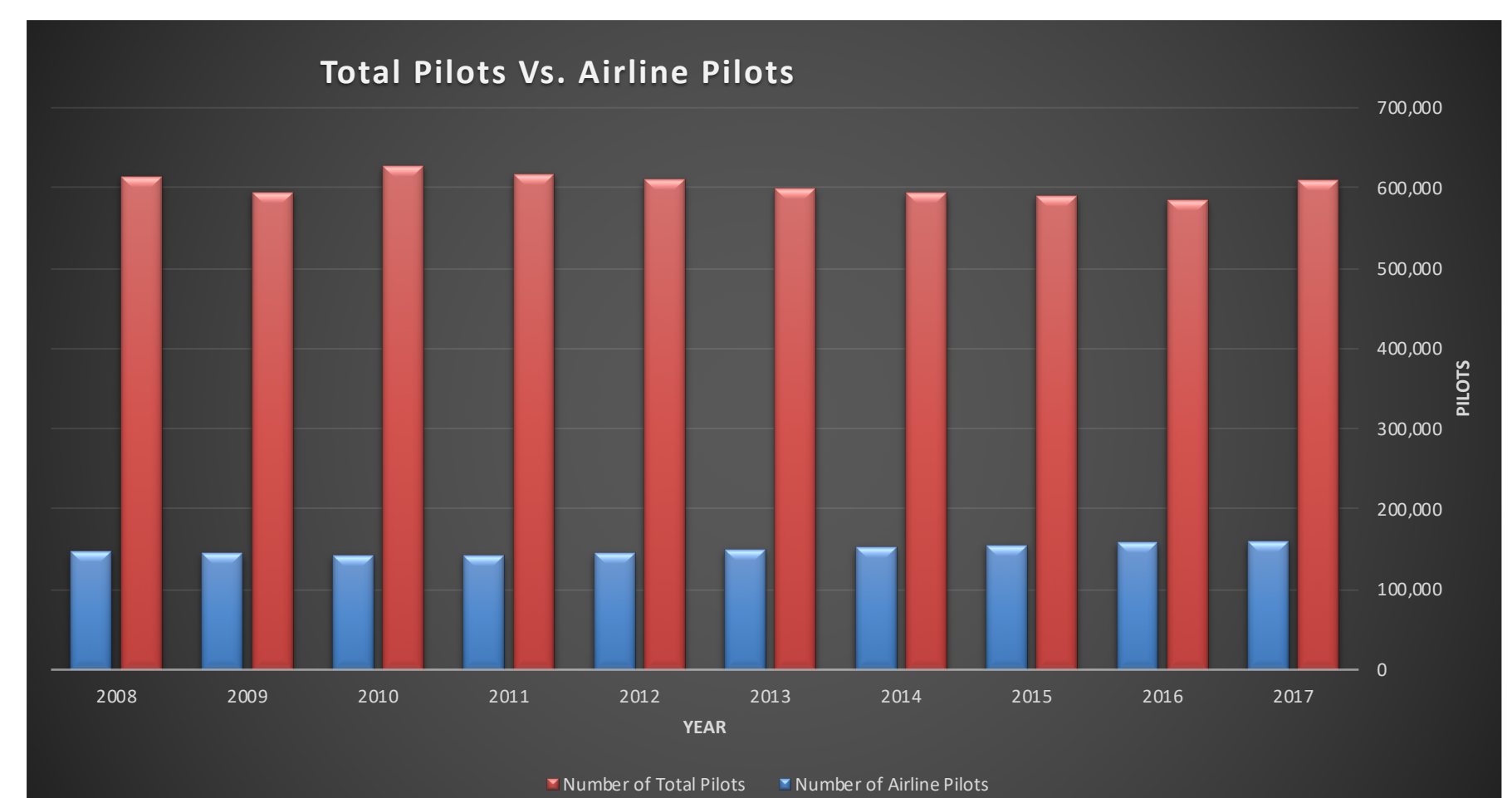
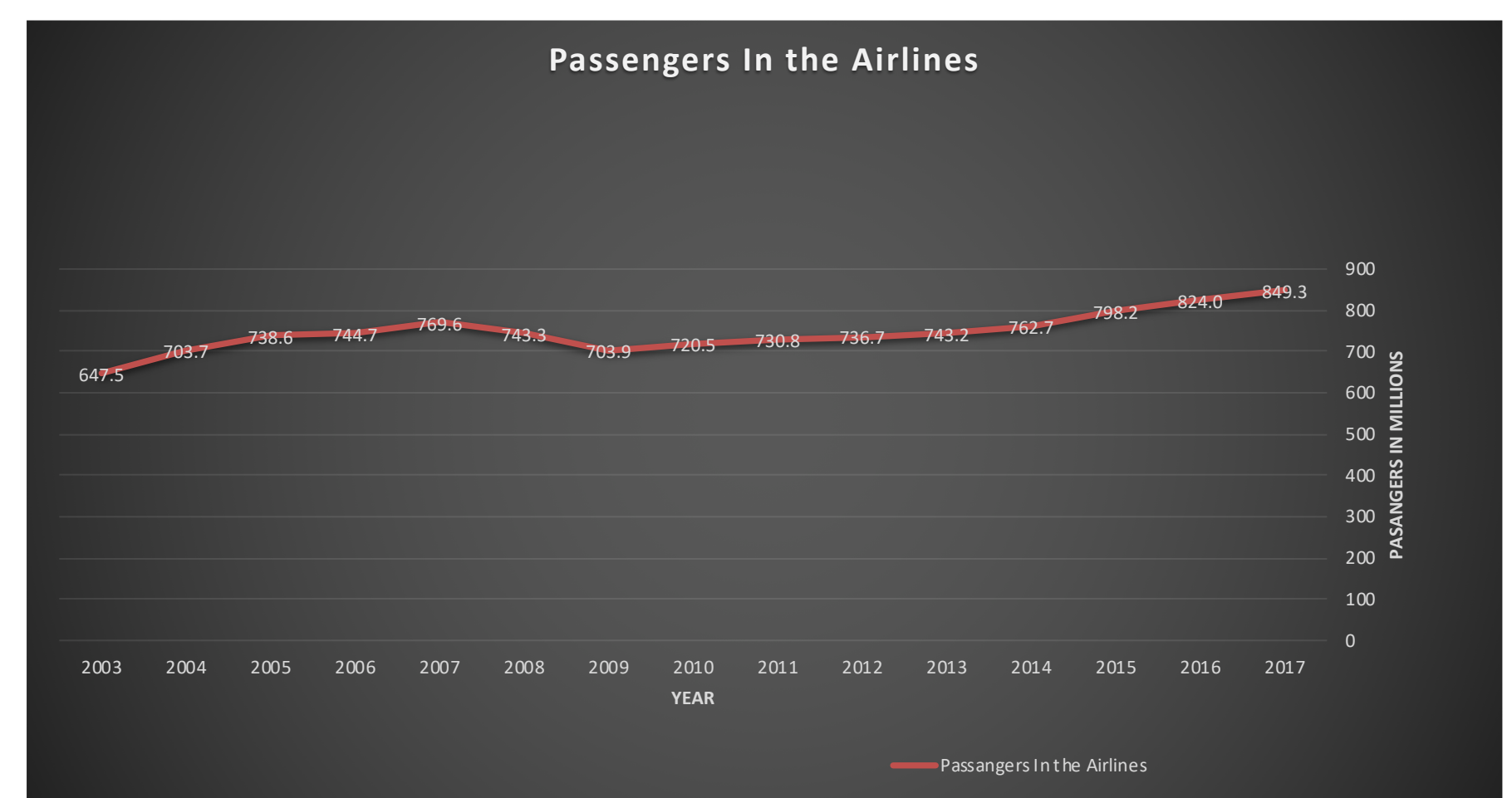


Explanation

The pathway to becoming a pilot is given on the left. The shortage is caused by

- Cost of flight training.
- Airline retirements are accelerating and show signs of further acceleration.
- Industry Growth.
- Certified flight instructors do not intend to work at flight schools as a long-term career.
- The requirement of obtaining an airline transport pilot certificate prior to operating as a line pilot for an air carrier is seen as an obstacle.

Research Analysis



Conclusions

- Reduce costs related to flight training with scholarships and funding with future employment and provide a pathway to the major airlines. The industry will also need long-term CFI's.
- The airlines will need to find creative ways to attract and retain crew beyond just increasing salaries.
- Each airline will have to make decisions based on their needs.
- Well qualified pilots are an important factor for safe air travel and the airline industry needs these pilots for a profitable future.

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