



# Getting More Pilots

---

By: Brian Jankowitz





## Brian Jankowitz

### Data Analyst

- Presented in front of audiences 300+ people
- Background in aviation, recruitment, and data analyzation

# Agenda

- Airline Pilot Shortage
- Getting More Pilots
- Marketing





## Airline Pilot Shortage Facts

- Mandatory retirement age
- Aircraft fleet are increasing
- Air Travel expected to double in 20 years
- 1500 hours for Airline Transport Pilot License (250 before)
- 800,000 new pilots needed in the next 20 years

# How can we get more pilots?

EMIRATES GROUP CAREERS

Working With Us About Dubai Careers Login

JOIN THE LARGEST OPERATOR OF AIRBUS A380 AND BOEING 777

Fly one of the world's most modern fleet of 255+ wide-bodied aircraft to more than 150 destinations around the globe

GET TO KNOW US

Explore Our World of opportunities and benefits

DIRECT ENTRY CAPTAINS

Are you an experienced, technically proficient wide body Commander who aims to deliver excellence?

Learn more

ACCELERATED COMMAND

For motivated Captains who would like the opportunity to fly a modern wide body aircraft worldwide

Learn more

FIRST OFFICERS

We welcome ambitious pilots who would like to join our dynamic team

Learn more

NATIONAL CADET PILOT PROGRAMME

Is it your ambition to become a pilot?

Learn more

Apply now

AIRLINES

## United Airlines ramps up recruit to hire 10,000 pilots over the next decade

PUBLISHED THU, OCT 3 2019 3:55 PM EDT | UPDATED THU, OCT 3 2019 4:03 PM EDT



Leslie Josephs

@LESLIEJOSEPHS

SHARE



### KEY POINTS

- United is unveiling initiatives to increase pilot hiring as it faces a wave of retirements.
- The airline said it expects to need 10,000 new pilots over the next decade.



A United Airlines airplane takes off at San Francisco International Airport.

Gary Hershorn / Corbis News / Getty Images

POLISH AIRLINES  
**LOT**  
A STAR ALLIANCE MEMBER

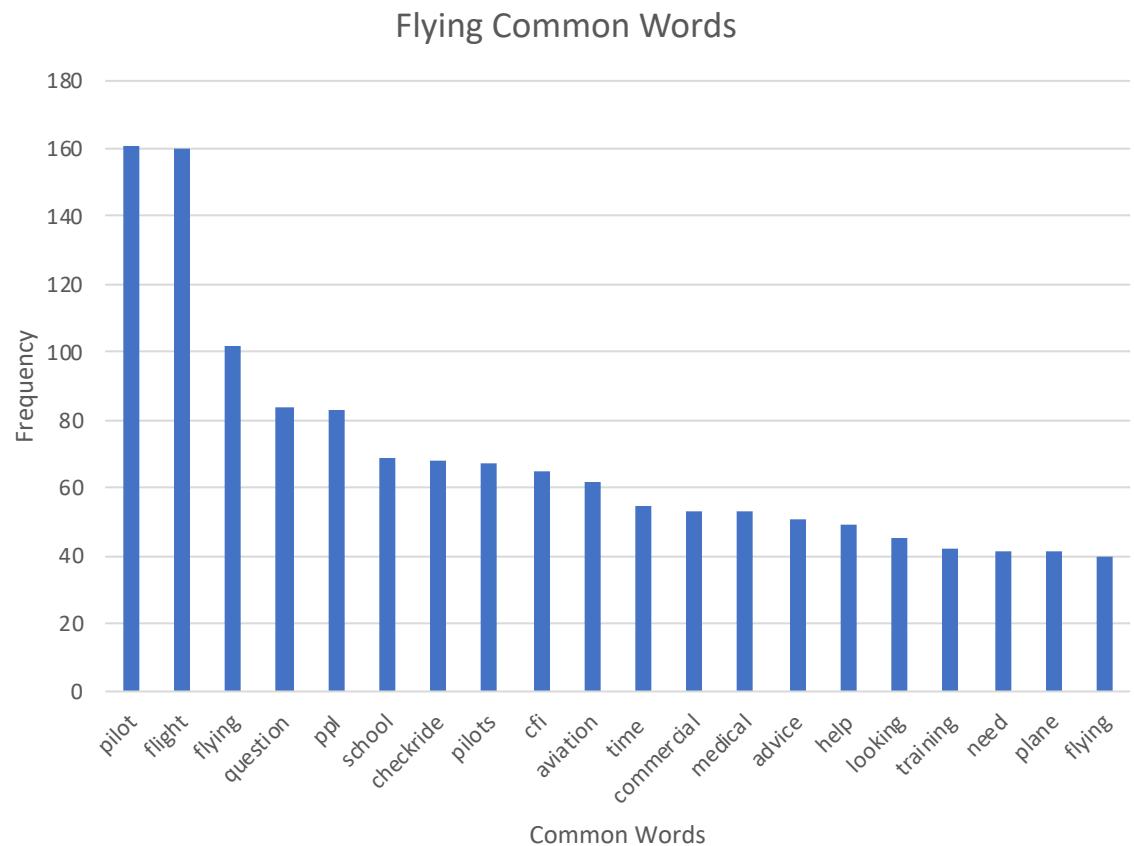
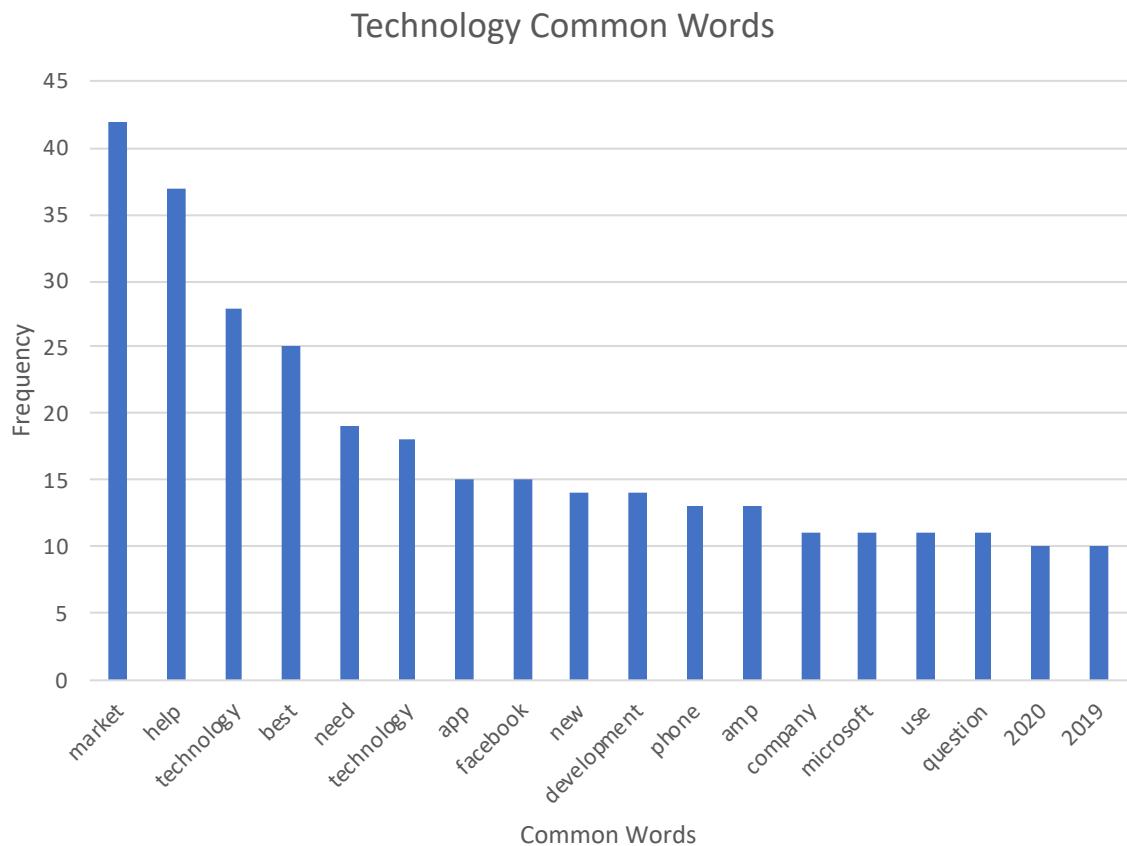
TRAINING

Become a LOT Polish Airlines pilot.

Join Cadet Program.

# Stop Words

Total Words:  
1585



Total Words:  
2975



How did I  
test my  
model?

Model	Vectorizer	Training Score	Testing Score	Cross Validation(3)	Accuracy
Logistic Regression	CountVectorizer	0.92363	0.89189	.8633	0.868
Logistic Regression	TfidVectorizer	0.89837	0.8810	.8394	0.85
MultinomialNB	CountVectorizer	0.9488	0.89909	.8831	0.868
MultinomialNB	TfidVectorizer	0.90438	0.8792	.8480	0.843

Best Model: Logic Regression and tfidVectorizer  
Baseline: 0.77

# Conclusions

- Model can show 90% accuracy
- This can help target people who like aviation
- Increase awareness of Cadet Program

# Sources

- <https://www.statista.com/topics/4324/the-pilot-shortage/>
- <https://www.cnn.com/travel/article/airline-pilot-shortage-united-states/index.html>