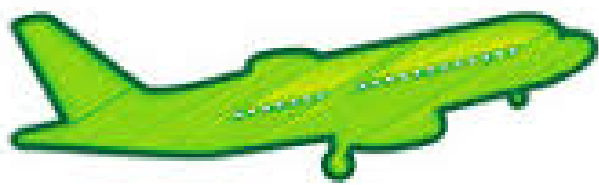


INTRODUCTION

AN EXPLORATORY DATA ANALYSIS OF THE MAJOR AMERICAN AIRLINES (2000 - 2019)

BY

INNOCENT OWOBU



THE PERFORMANCE OVERVIEW OF THE LARGEST AMERICAN AIRLINES

(YEAR 2000 - 2019)

QUARTER

☒ Select all

☒ Q1

☒ Q2

☒ Q3

☒ Q4

YEAR

☐ Select ...

☐ 2000

☐ 2001

☐ 2002

☐ 2003

☐ 2004

☐ 2005

☐ 2006

☐ 2007

☐ 2008

☐ 2009

☐ 2010

☐ 2011

☐ 2012

☐ 2013

Overall Revenue

\$2.44bn

Overall Expenses

\$2.17bn

Overall Profit

\$262.38M

%Profit Growth (2010-2019)

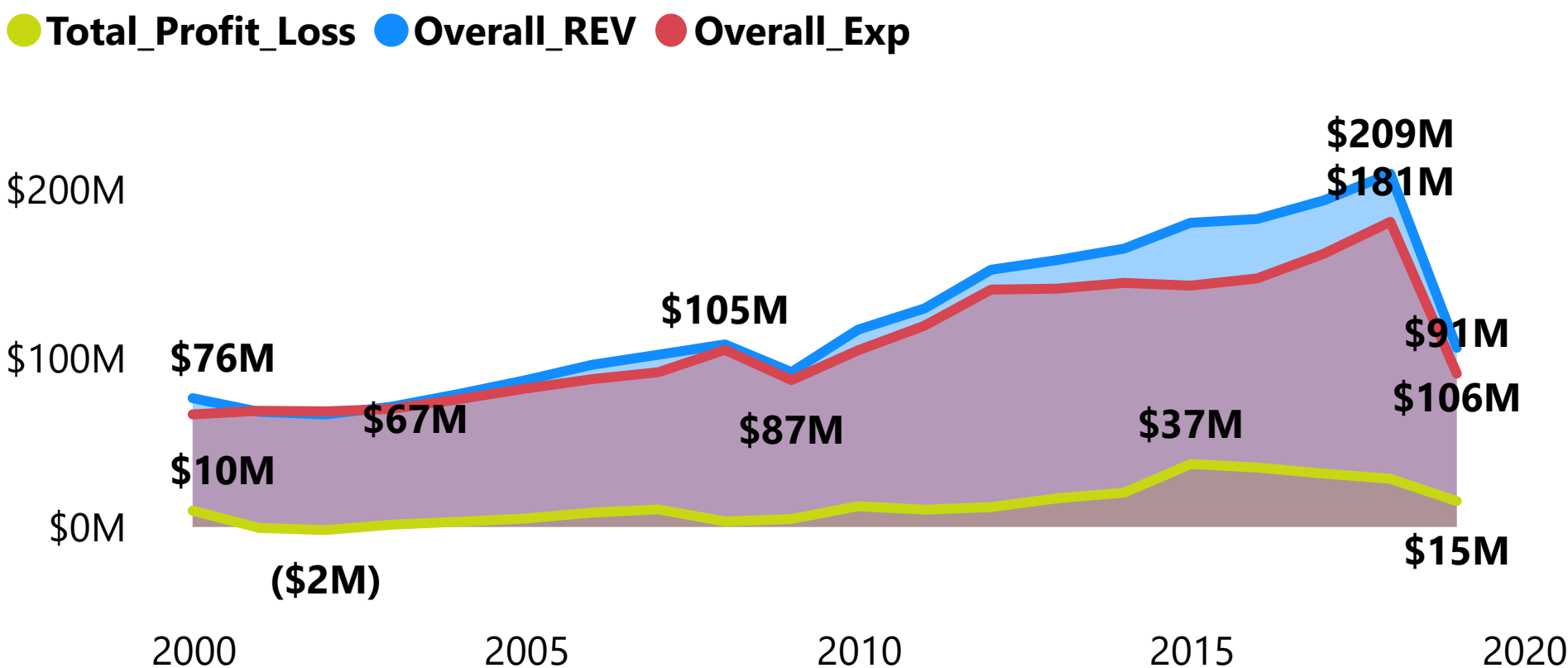
406.53%

Latest Refresh

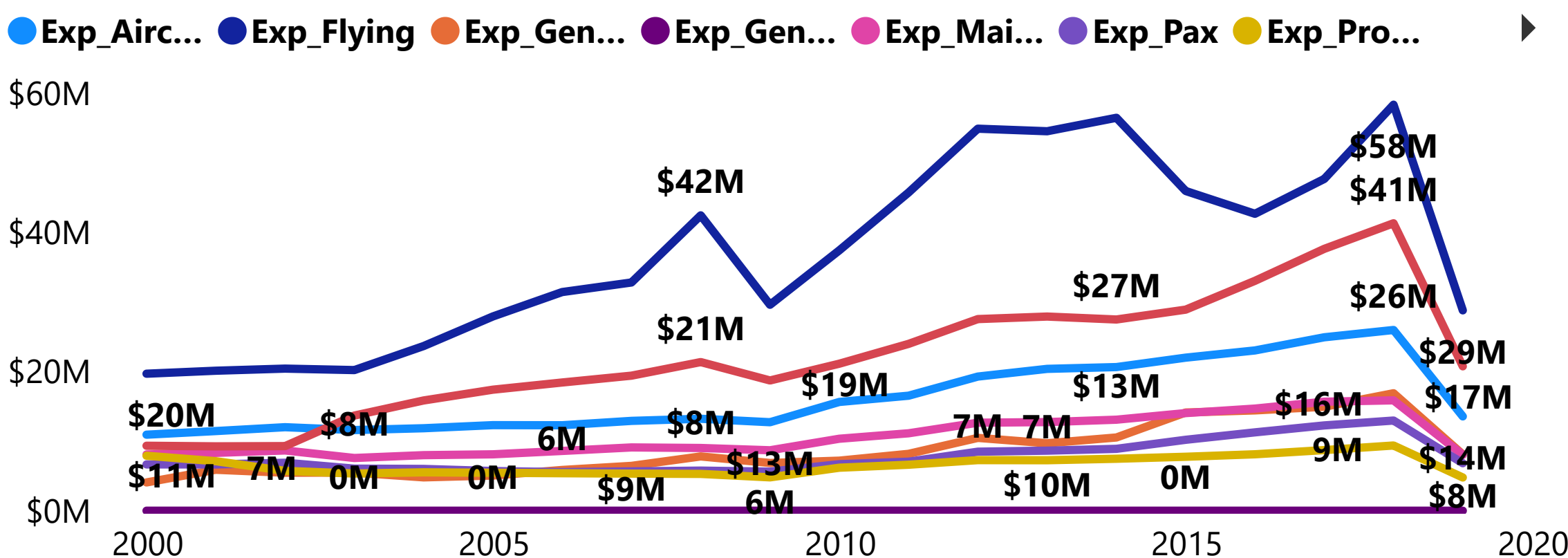
DateTime

12/2/2022 12:58:24 PM

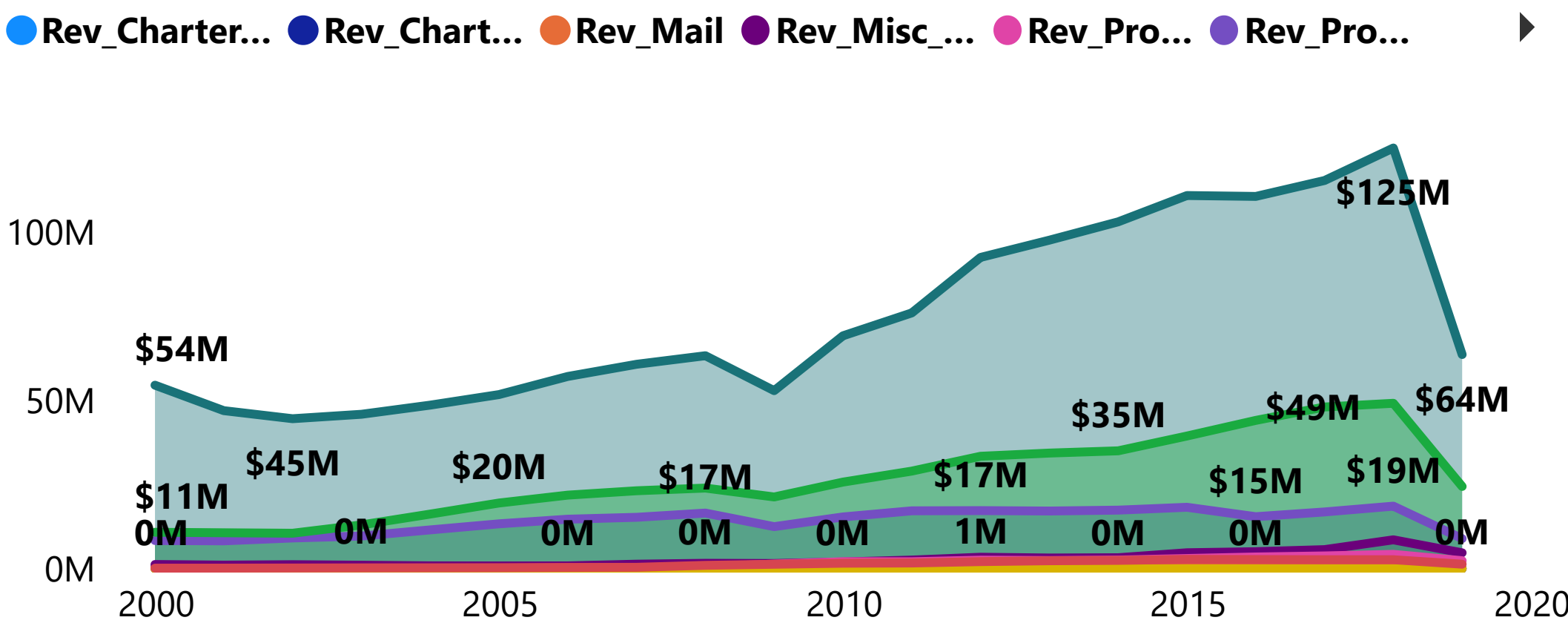
Overall Operational Revenue, Expenses and Profit/Loss



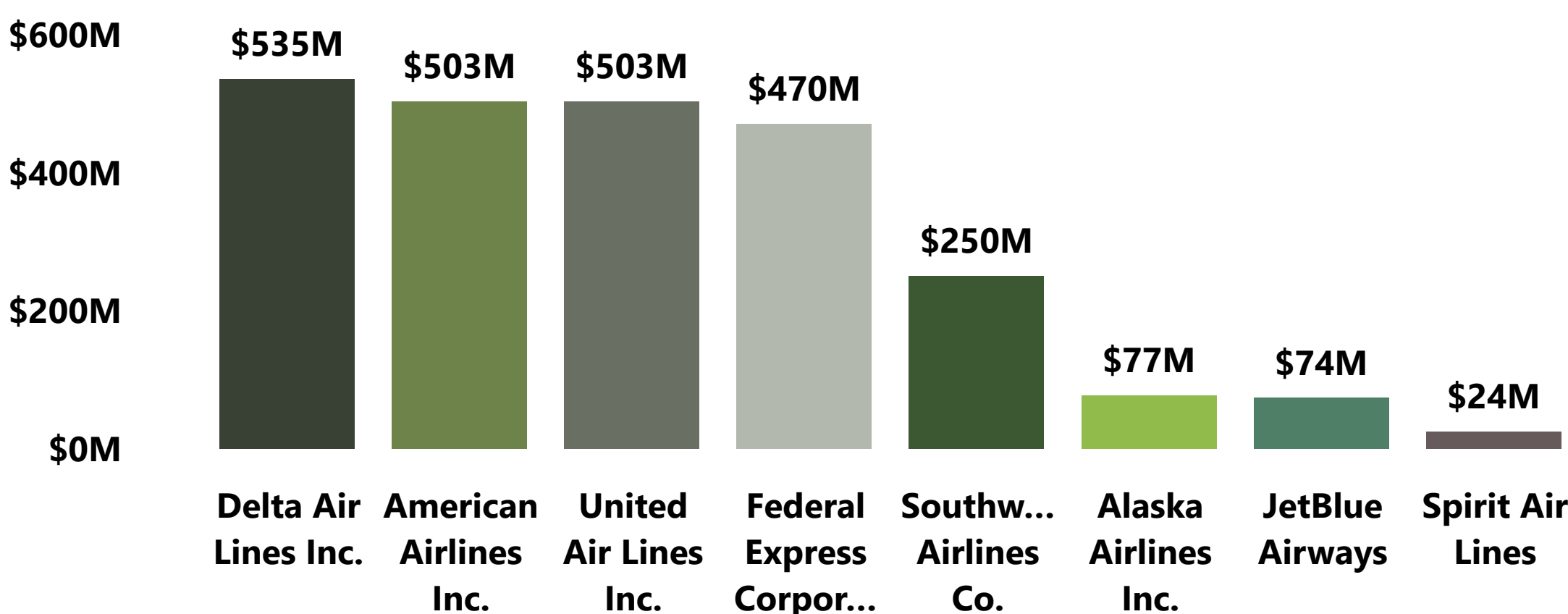
Overall Expenses

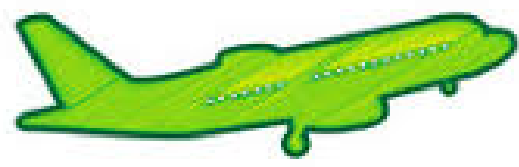


Revenue by Year



Revenue by Carriers





AN OVERVIEW OF THE FINANCIAL PERFORMANCES OF THE MAJOR AMERICAN AIRLINES

(YEAR 2000 - 2019)

QUARTER

☐ Select all

☐ Q1

☐ Q2

☐ Q3

☐ Q4

YEAR

☐ Select ...

☐ 2000

☐ 2001

☐ 2002

☐ 2003

☐ 2004

☐ 2005

☐ 2006

☐ 2007

☐ 2008

☐ 2009

☐ 2010

☐ 2011

☐ 2012

☐ 2013

Overall Revenue

\$2.44bn

Total Profit (2000 - 2009)

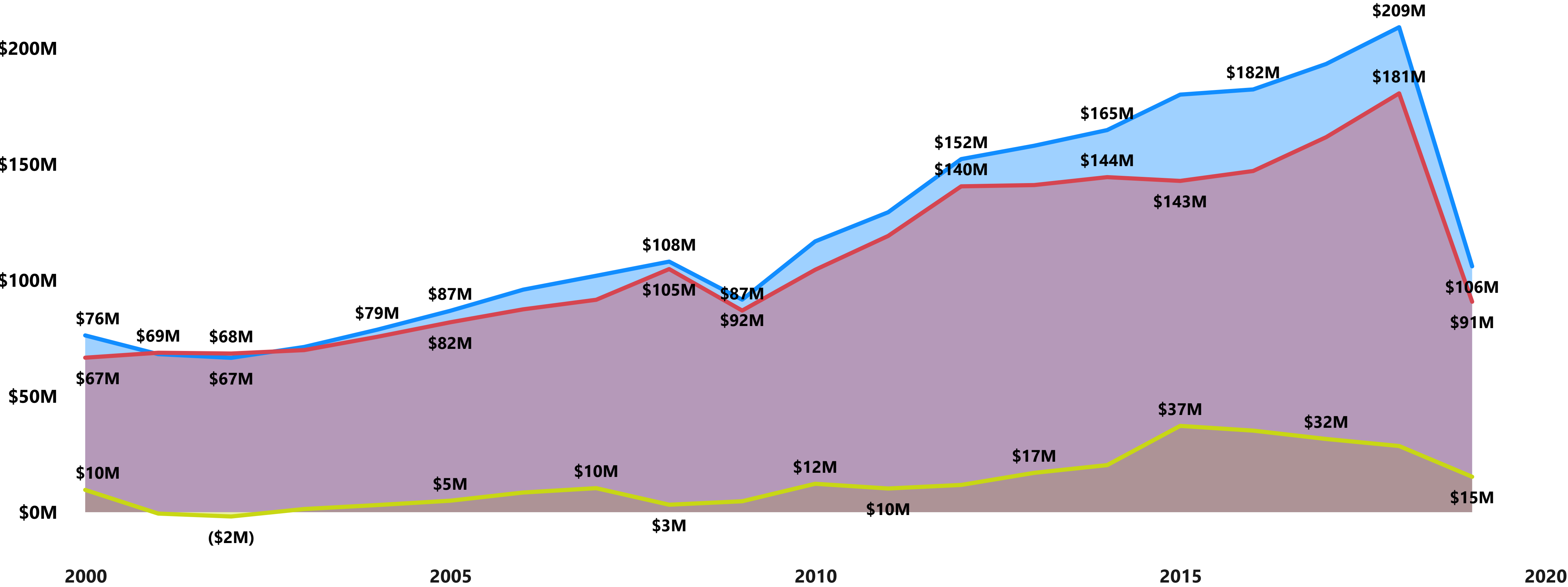
\$43.26M

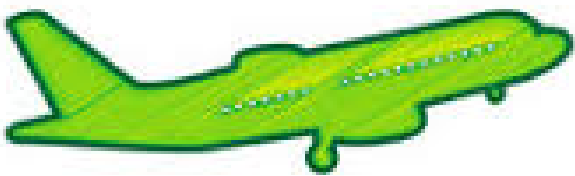
Total Profit (2010 - 2019)

\$219.12M

Overall Operational Revenue, Expenses and Profit/Loss

● Total_Profit_Loss ● Overall_REV ● Overall_Exp





QUARTERLY & YEARLY REVENUES, EXPENSES AND PROFIT/LOSS

(YEAR 2000 - 2019)

QUARTER

☐ Select all

☐ Q1

☐ Q2

☐ Q3

☐ Q4

YEAR

☐ Select all

☐ 2000

☐ 2001

☐ 2002

☐ 2003

☐ 2004

☐ 2005

☐ 2006

☐ 2007

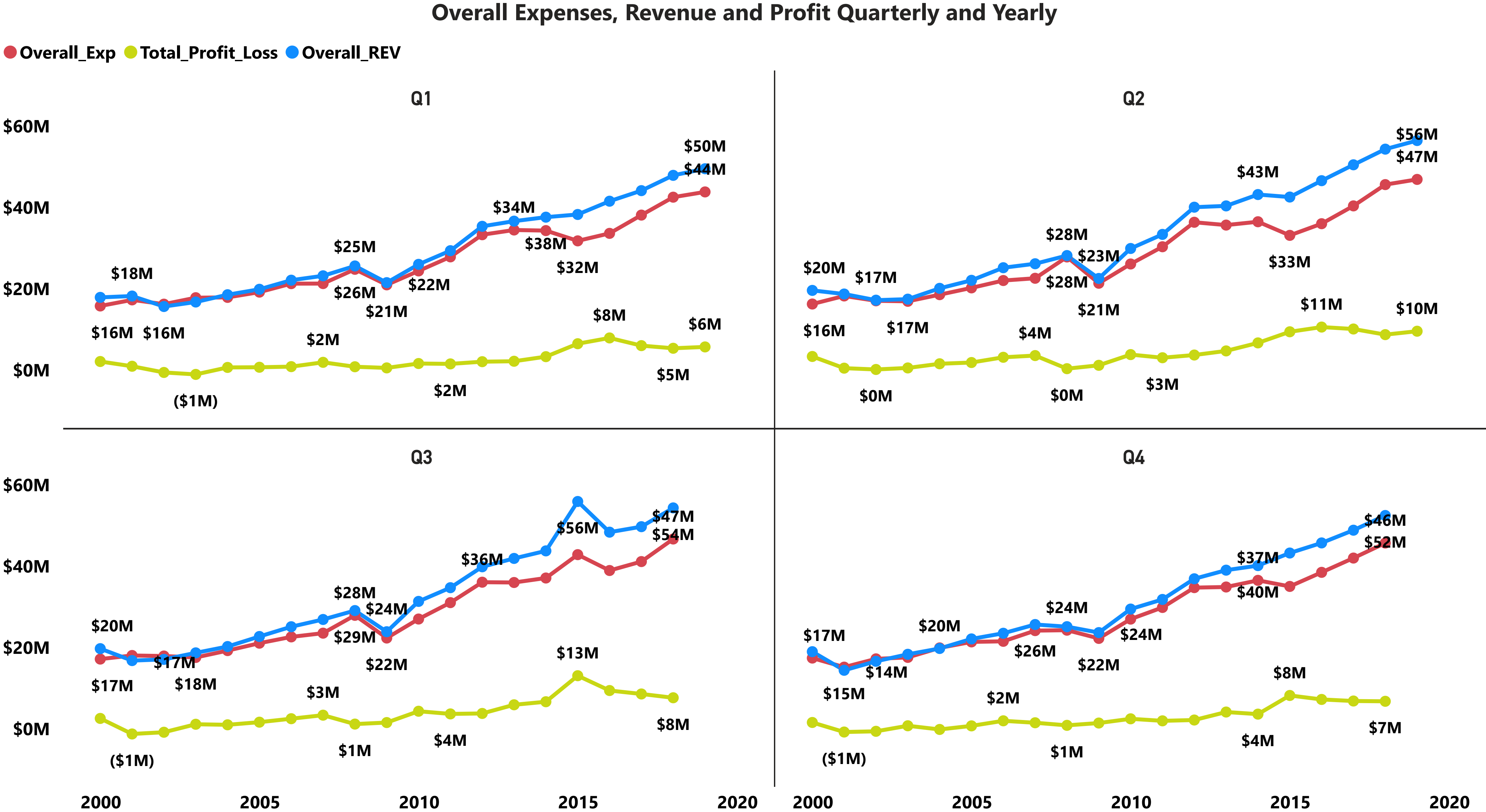
☐ 2008

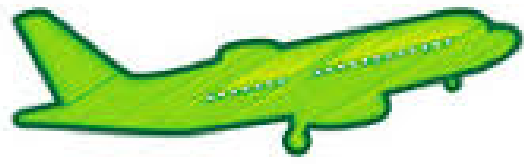
☐ 2009

☐ 2010

☐ 2011

☐ 2012





REVENUE BY CATEGORIES

QUARTER

- ☐ Select all
- ☐ Q1
- ☐ Q2
- ☐ Q3
- ☐ Q4

YEAR

- ☐ Select ...
- ☐ 2000
- ☐ 2001
- ☐ 2002
- ☐ 2003
- ☐ 2004
- ☐ 2005
- ☐ 2006
- ☐ 2007
- ☐ 2008
- ☐ 2009
- ☐ 2010
- ☐ 2011
- ☐ 2012
- ☐ 2013

TOP 5 REVENUE CATEGORIES

Trans Rev PAX
\$1.49bn

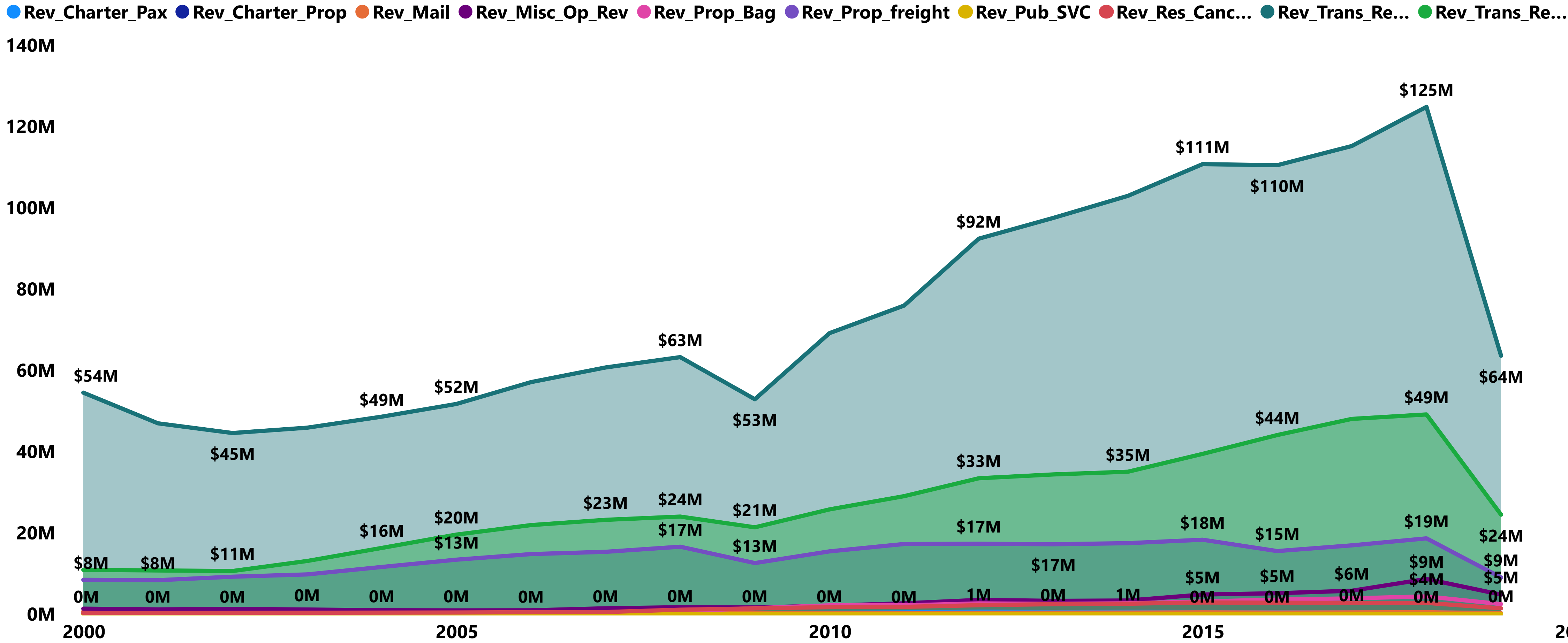
Trans Revenue
\$533.71M

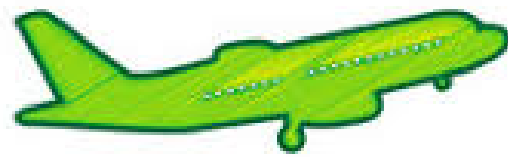
Prop Freight
\$282.33M

Misc Op Rev
\$55.78M

Prop Bag Rev
\$32.78M

Revenue by Categories





EXPENSES BY CATEGORIES

(YEAR 2000-2019)

YEAR

☐ Select ...

☐ 2000

☐ 2001

☐ 2002

☐ 2003

☐ 2004

☐ 2005

☐ 2006

☐ 2007

☐ 2008

☐ 2009

☐ 2010

☐ 2011

☐ 2012

☐ 2013

☐ 2014

☐ 2015

☐ 2016

☐ 2017

☐ 2018

☐ 2019

TOP 5 EXPENSES CATEGORIES

Flying Exp

\$740.06M

Trans Exp

\$441.93M

Aircraft Exp

\$322.88M

Maintenance Exp

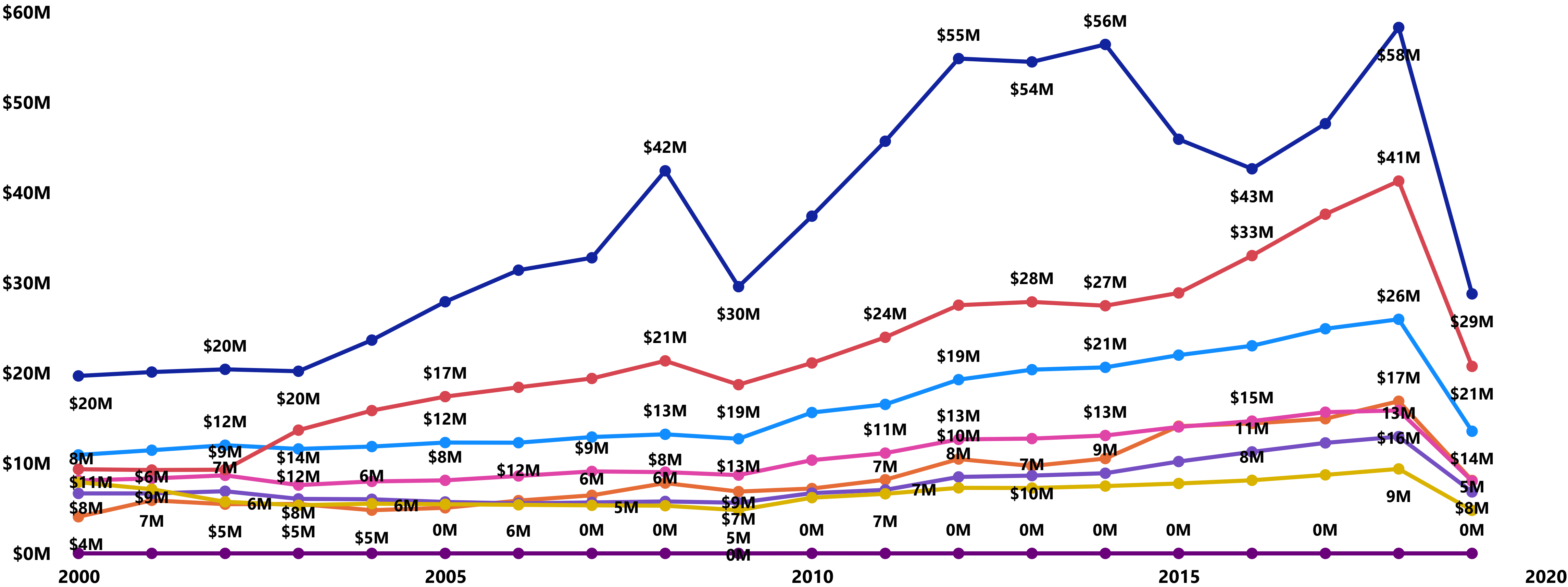
\$212.11M

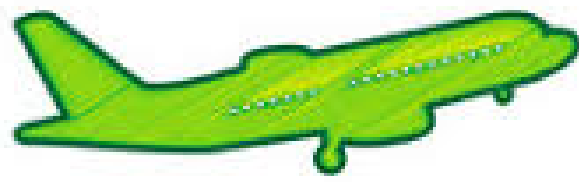
Exp Gen Amin

\$172.04M

Overall Expenses

Exp_Aircraft Exp_Flying Exp_Gen_Admin Exp_Gen_Service Exp_Maintaince Exp_Pax Exp_Promo Exp_Trans_Exp





PERCENTAGE GROWTH IN PROFIT (OVER A PERIOD OF 10 YEARS AND 5 YEARS)

Profit (2000 - 2009)

\$43.26M

Profit (2010 - 2019)

\$219.12M

% Profit Growth (2010-2019)

406.53%

Profit (2010-2014)

\$71.44M

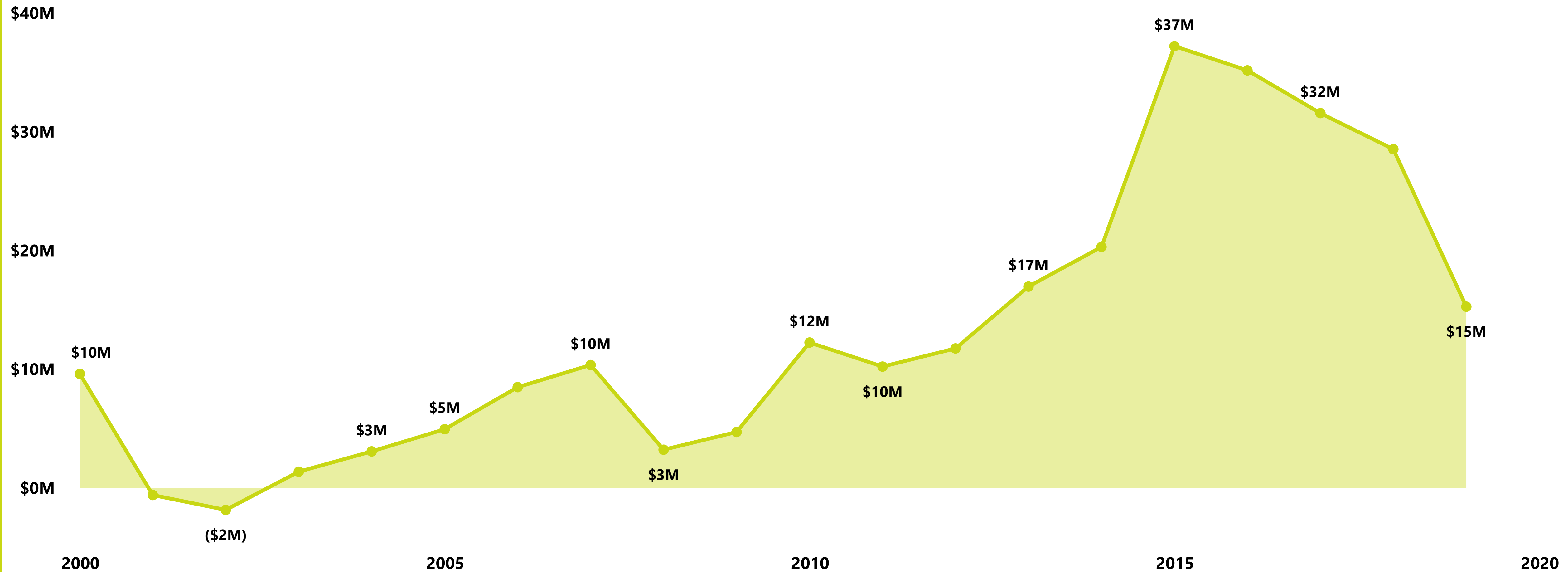
Profit (2015-2019)

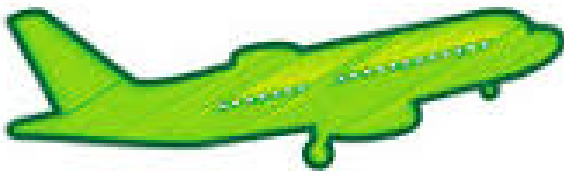
\$147.68M

% Profit Growth (2015-2019)

106.73%

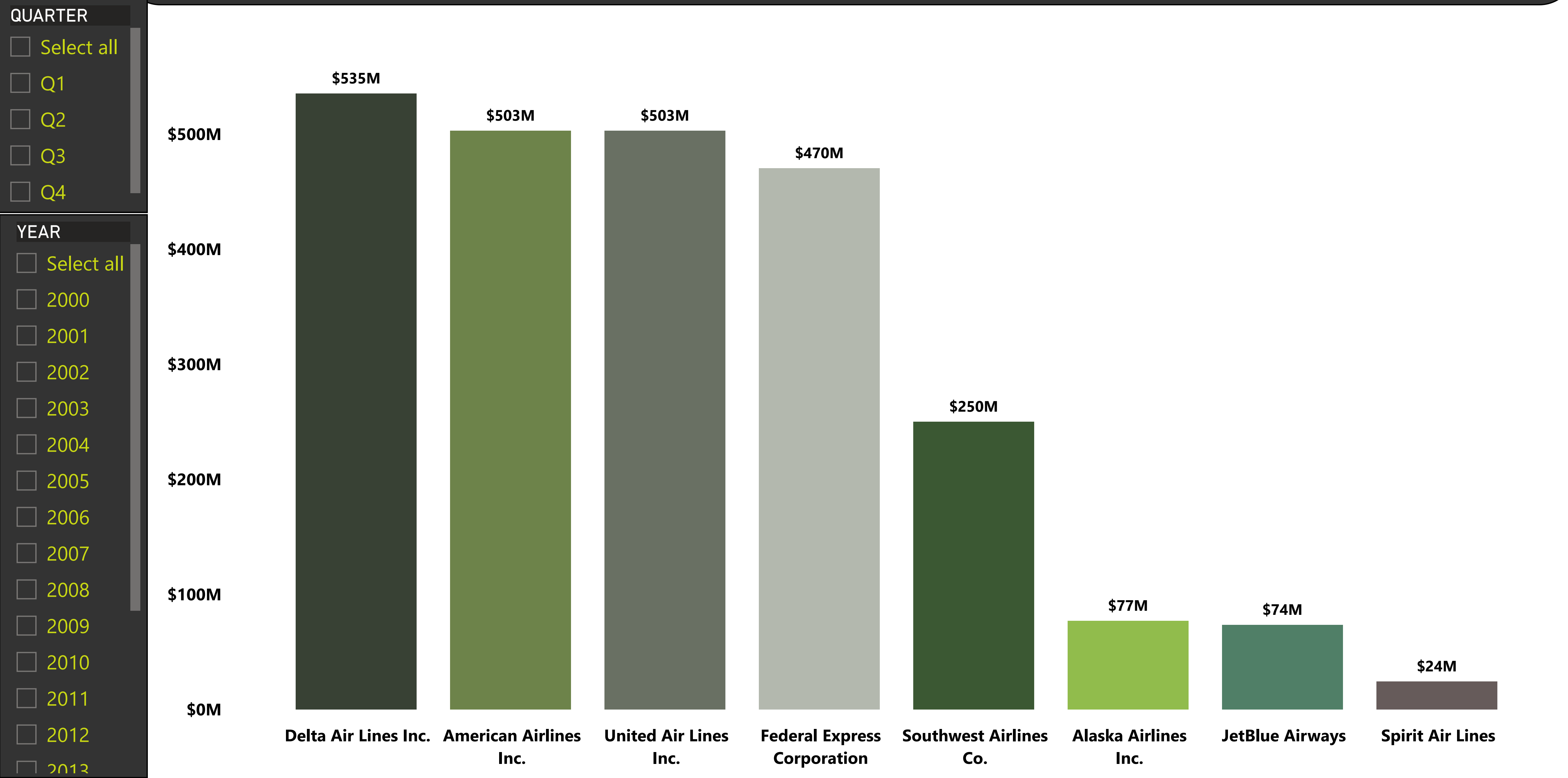
Total Profit (2000-2019)

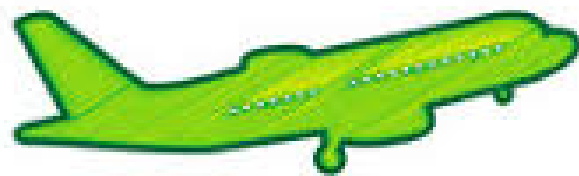




REVENUE BY AIRLINE CARRIER NAME

(YEAR 2000 - 2019)





PROFITABILITY BY AIRLINE CARRIER NAME

(YEAR 2000 - 2019)

QUARTER

☐ Select all

☐ Q1

☐ Q2

☐ Q3

☐ Q4

YEAR

☐ Select ...

☐ 2000

☐ 2001

☐ 2002

☐ 2003

☐ 2004

☐ 2005

☐ 2006

☐ 2007

☐ 2008

☐ 2009

☐ 2010

☐ 2011

☐ 2012

☐ 2013

\$70M

\$60M

\$50M

\$40M

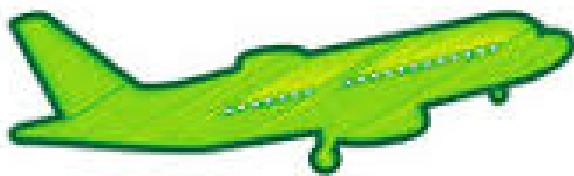
\$30M

\$20M

\$10M

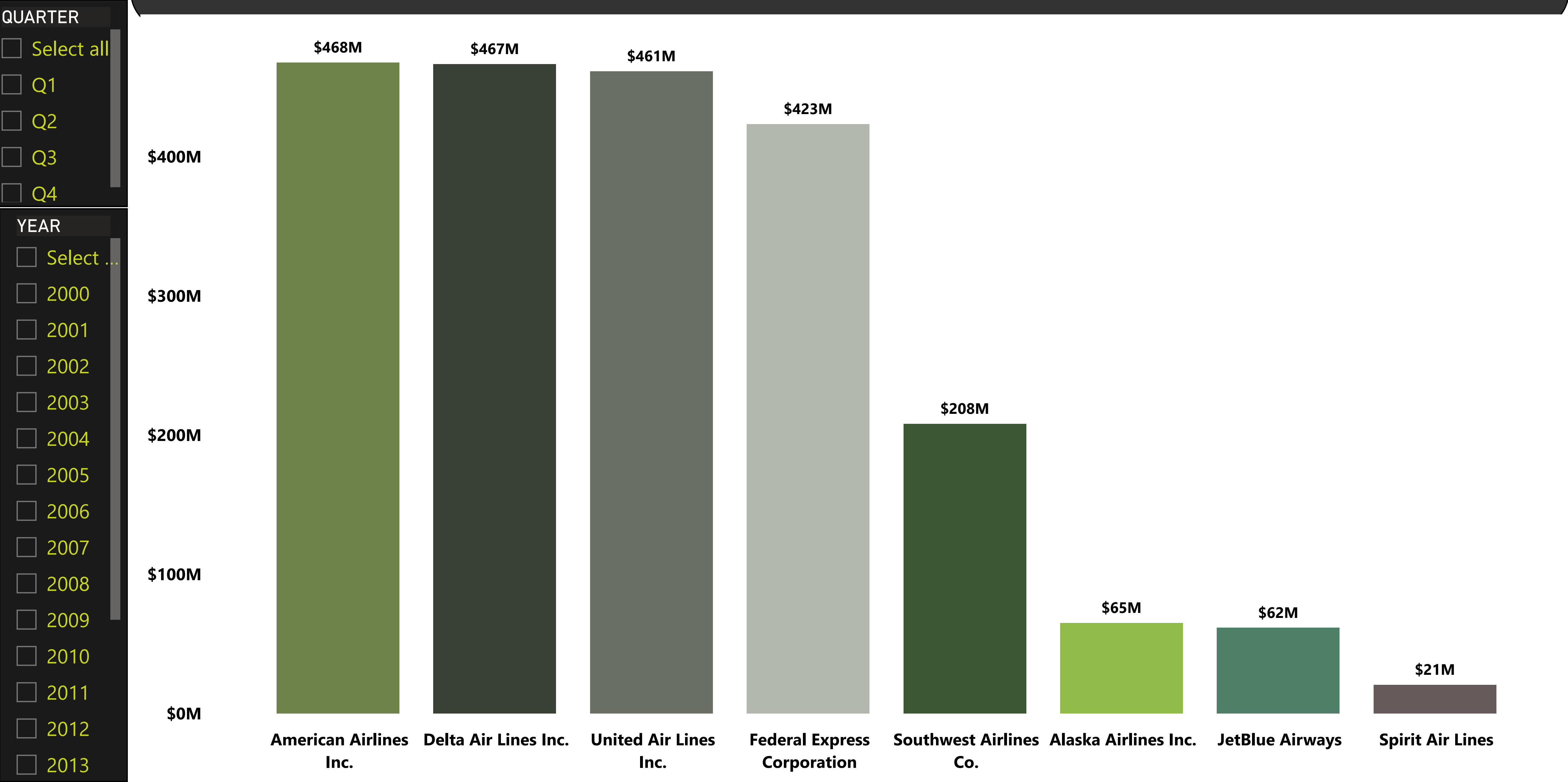
\$0M

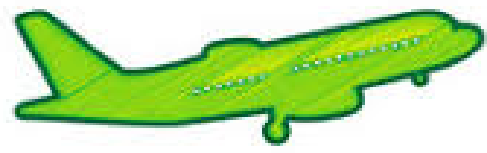




EXPENSES BY AIRLINE CARRIER NAME

(YEAR 2000 - 2019)





YEARLY AND QUARTERLY REVENUE AND PROFIT

Revenue (2010 - 2019)

\$1.59bn

Revenue (2000 - 2009)

\$844.96M

% Revenue Growth
(2010 - 2019)

88.33%

Profit (2017)

\$31.55M

Profit (2018)

\$28.52M

% Depreciation
(2017-2018)

-9.63%

Profit (2015Q2)

\$9.42M

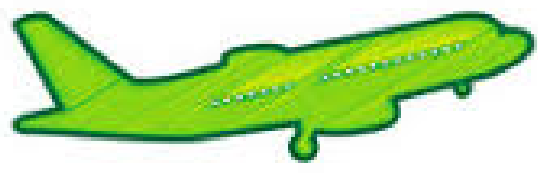
Profit (2015Q3)

\$13.07M

% Profit Growth 2015
(Q2-Q3)

38.73%

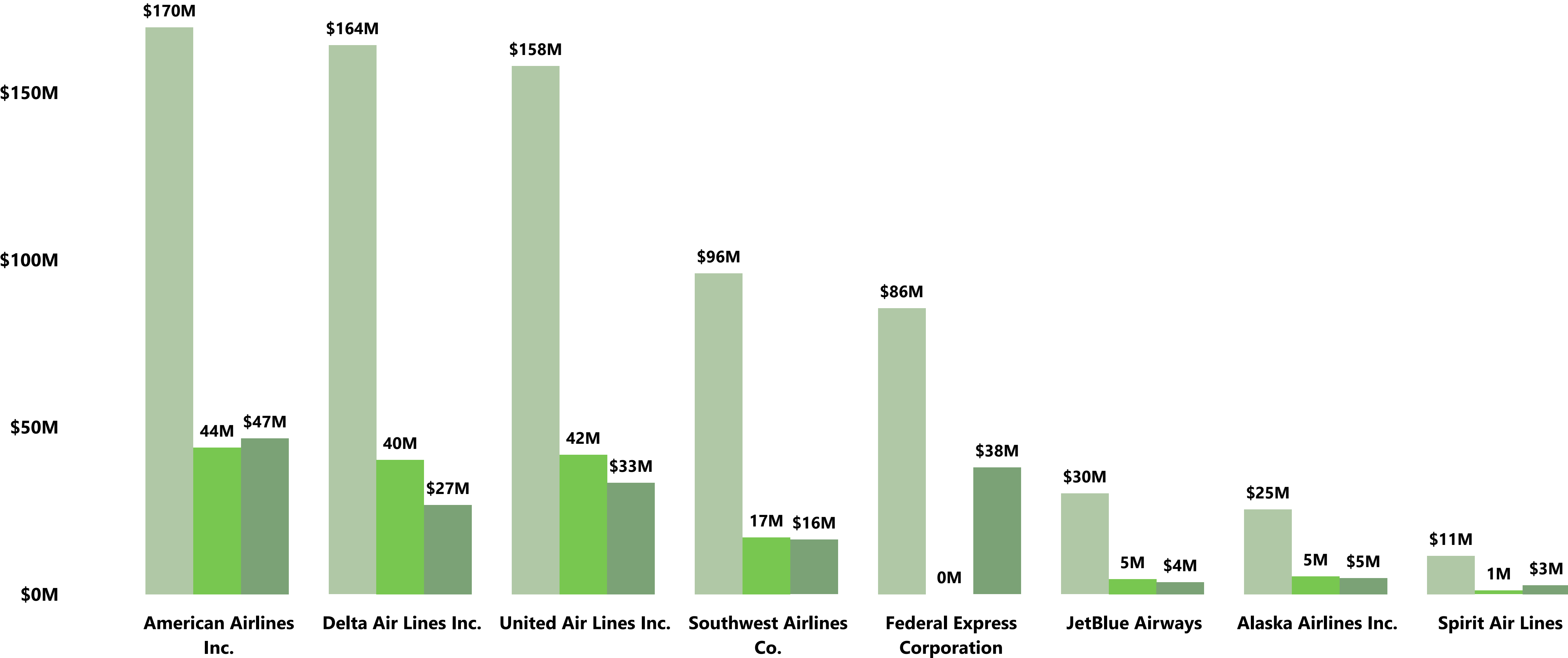
YEAR	QUARTER	Total_Profit_Loss
2000	Q1	\$2,113,272.86
2000	Q2	\$3,350,230.09
2000	Q3	\$2,566,869.06
2000	Q4	\$1,571,163.12
2001	Q1	\$946,252.91
2001	Q2	\$476,428.54
2001	Q3	(\$1,253,496.34)
2001	Q4	(\$776,558.53)
2002	Q1	(\$578,949.79)
2002	Q2	\$154,469.55
2002	Q3	(\$830,579.12)
2002	Q4	(\$601,223.99)
2003	Q1	(\$1,061,308.97)
2003	Q2	\$530,947.78
2003	Q3	\$1,131,650.87
2003	Q4	\$761,511.14
2004	Q1	\$657,238.63
2004	Q2	\$1,556,368.93
2004	Q3	\$999,881.33
2004	Q4	(\$144,360.37)
2005	Q1	\$698,900.42
2005	Q2	\$1,862,454.79
2005	Q3	\$1,646,176.42
Total		\$262,378,457.46

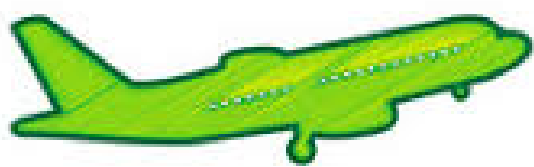


COMPARING SOME MAJOR EXPENSES AMONG THE AIRLINE CARRIERS

Exp Flying, Exp Pax and Exp Gen Admin By Carrier Name

● Exp_Flying ● Exp_Pax ● Exp_Gen_Admin

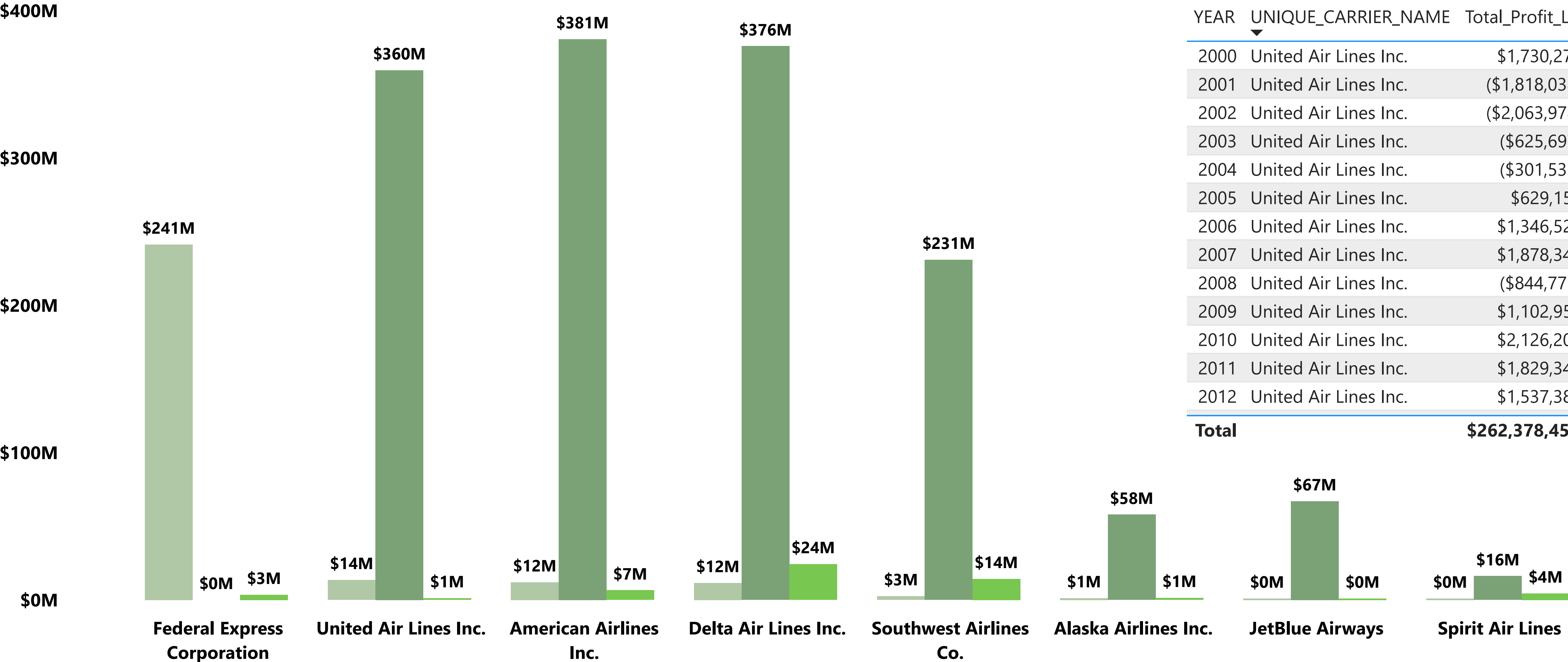




COMPARING SOME MAJOR REVENUE CATEGORIES AMONG THE AIRLINE CARRIERS

Exp Flying, Exp Pax and Exp Gen Admin By Carrier Name

● Rev_Prop_freight ● Rev_Trans_Rev_Pax ● Rev_Misc_Op_Rev



Carriers Profit/Loss Table

YEAR	UNIQUE_CARRIER_NAME	Total_Profit_Loss
2000	United Air Lines Inc.	\$1,730,270.00
2001	United Air Lines Inc.	(\$1,818,038.00)
2002	United Air Lines Inc.	(\$2,063,978.00)
2003	United Air Lines Inc.	(\$625,697.00)
2004	United Air Lines Inc.	(\$301,536.00)
2005	United Air Lines Inc.	\$629,154.00
2006	United Air Lines Inc.	\$1,346,521.00
2007	United Air Lines Inc.	\$1,878,346.00
2008	United Air Lines Inc.	(\$844,773.00)
2009	United Air Lines Inc.	\$1,102,954.00
2010	United Air Lines Inc.	\$2,126,204.00
2011	United Air Lines Inc.	\$1,829,340.80
2012	United Air Lines Inc.	\$1,537,387.67
Total		\$262,378,457.46