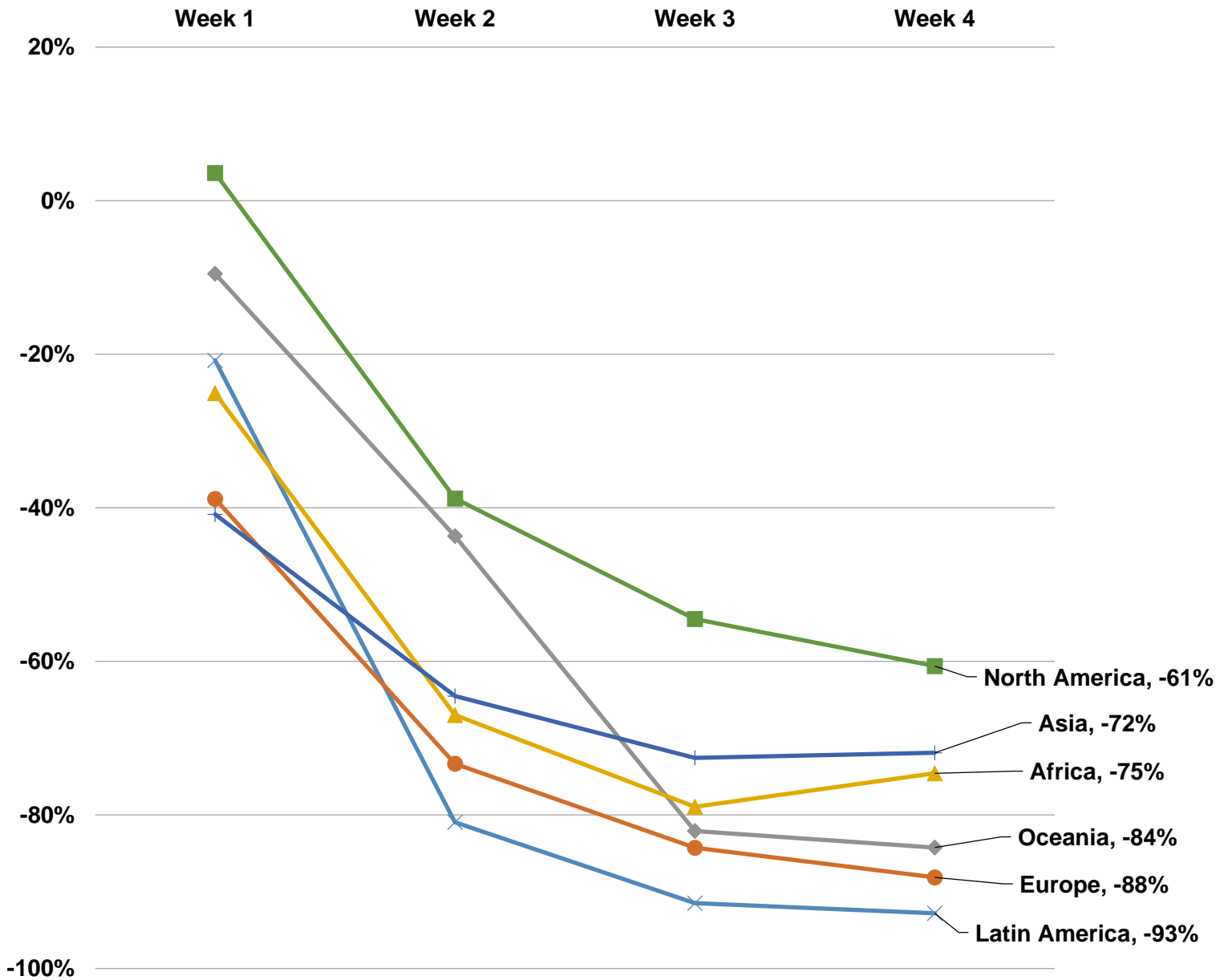# mba Insight: Visualizing the Effect of the COVID-19 Pandemic on Commercial Aviation
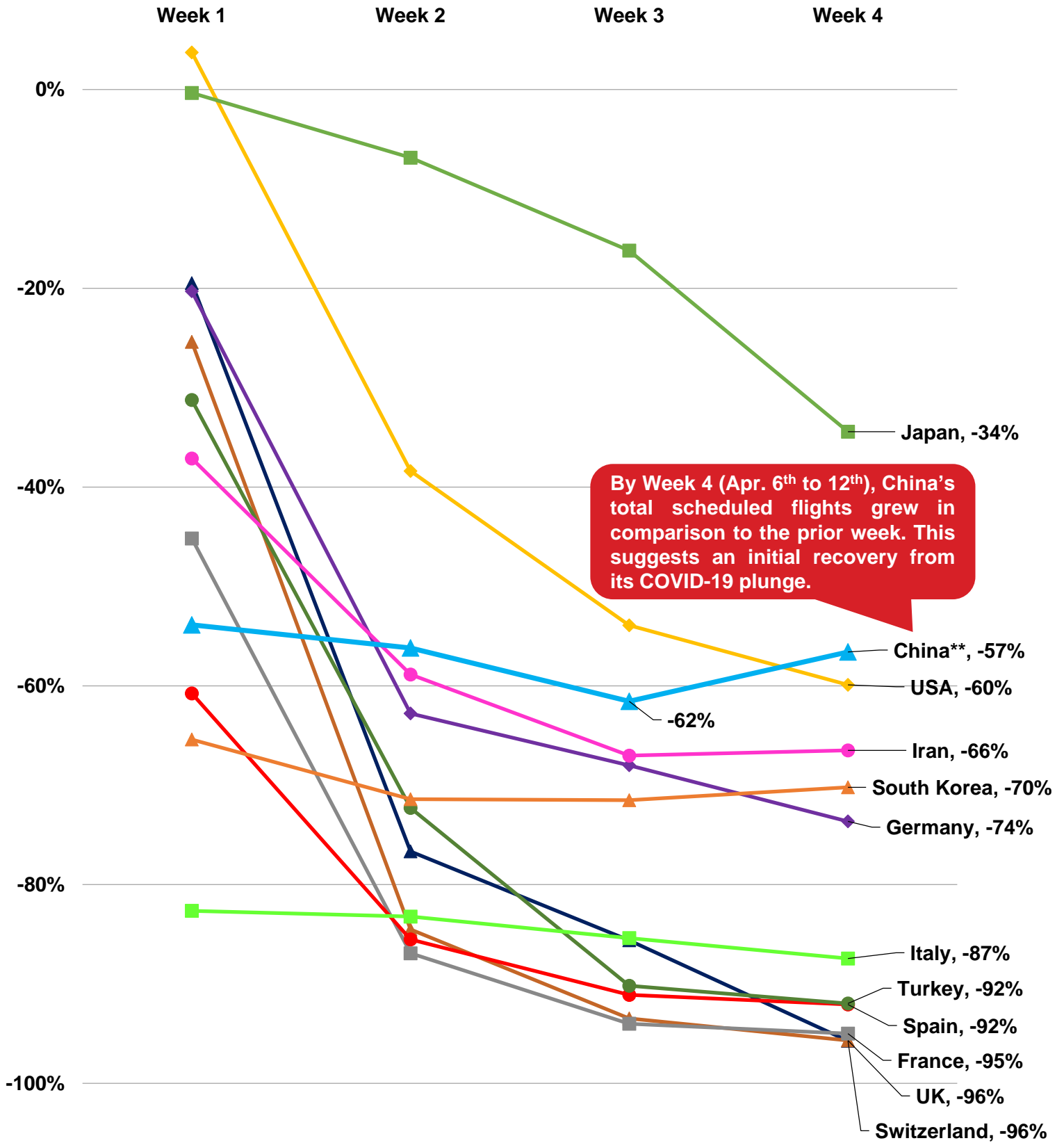### Ryan Cross ▪ Updated on April 14th, 2020

The ongoing coronavirus (COVID-19) pandemic forced commercial airlines to scale back their activities. mba's data team continually tracks airline schedule reductions and aircraft parking to quantify the impact of the virus.

Decrease in Flights by Region*

* Change in average daily flights scheduled from Mar. 16th to 22nd, Mar. 23rd to 29th, Mar. 30th to Apr. 5th, and Apr. 6th to 12th to control period of Jan. 4th to 16th

Decrease in Flights by Country*

By Week 4 (Apr. 6th to 12th), China's total scheduled flights grew in comparison to the prior week. This suggests an initial recovery from its COVID-19 plunge.

Japan, -34%
China**, -57%
USA, -60%
-62%
Iran, -66%
South Korea, -70%
Germany, -74%
Italy, -87%
Turkey, -92%
Spain, -92%
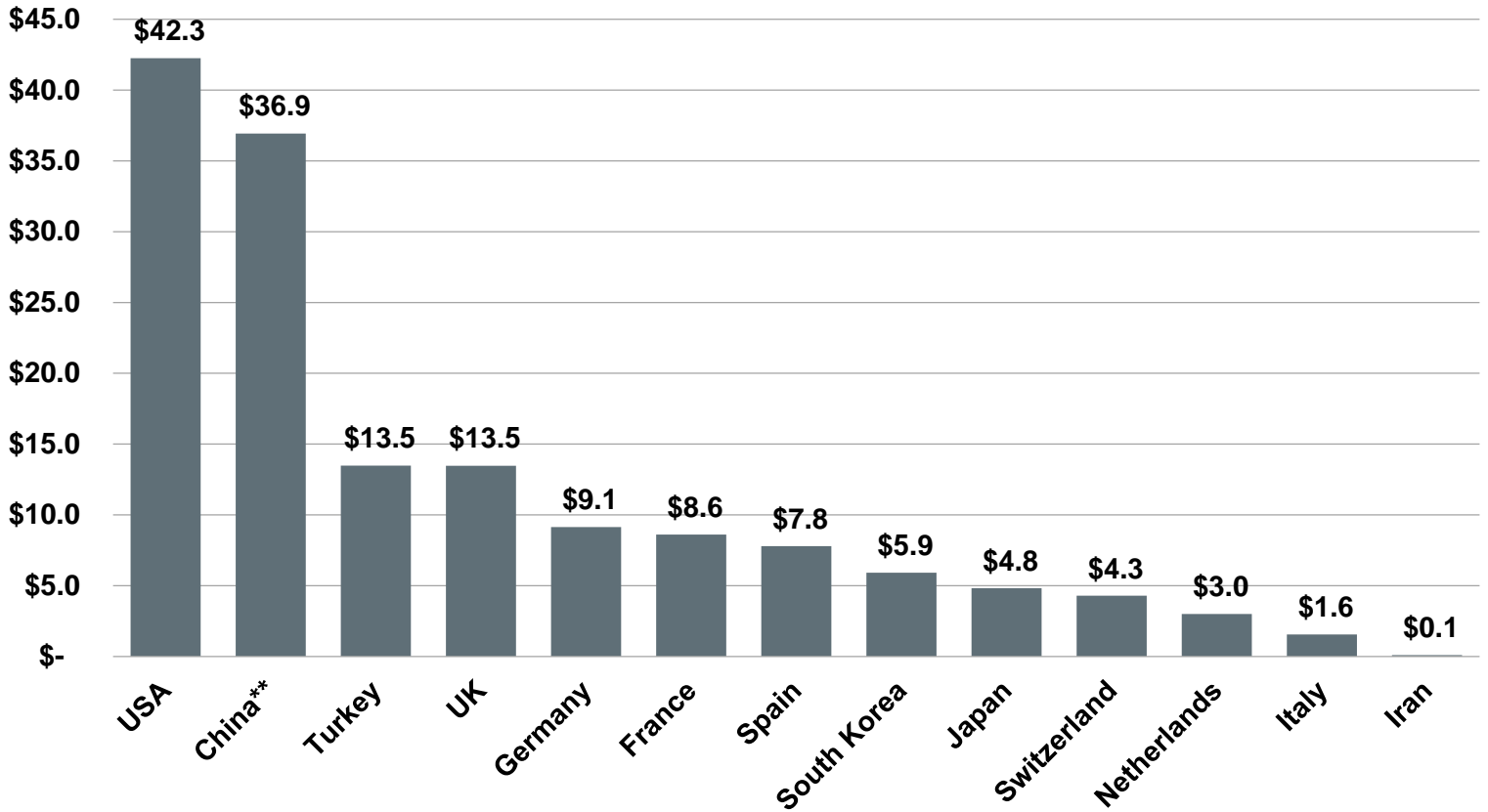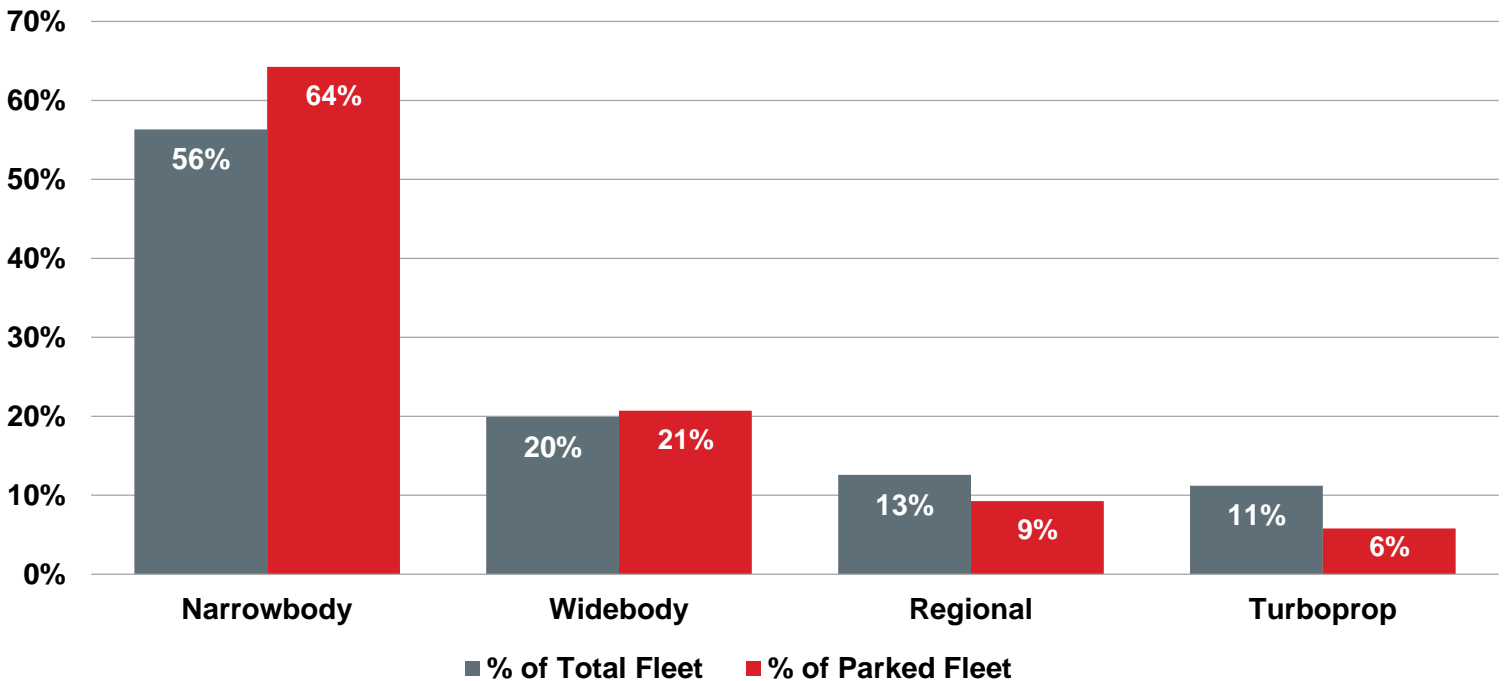France, -95%
UK, -96%
Switzerland, -96%

* Change in average daily flights scheduled from Mar. 16th to 22nd, Mar. 23rd to 29th, Mar. 30th to Apr. 5th, and Apr. 6th to 12th to control period of Jan. 4th to 16th
** Includes Hong Kong and Macau

Total Value of Parked Aircraft
(2020 Q1 Book Value; $ Billions)

Country	Value ($B)
USA	$42.3
China**	$36.9
Turkey	$13.5
UK	$13.5
Germany	$9.1
France	$8.6
Spain	$7.8
South Korea	$5.9
Japan	$4.8
Switzerland	$4.3
Netherlands	$3.0
Italy	$1.6
Iran	$0.1

Parked Fleet by Body Type

Body Type	% of Total Fleet	% of Parked Fleet
Narrowbody	56%	64%
Widebody	20%	21%
Regional	13%	9%
Turboprop	11%	6%

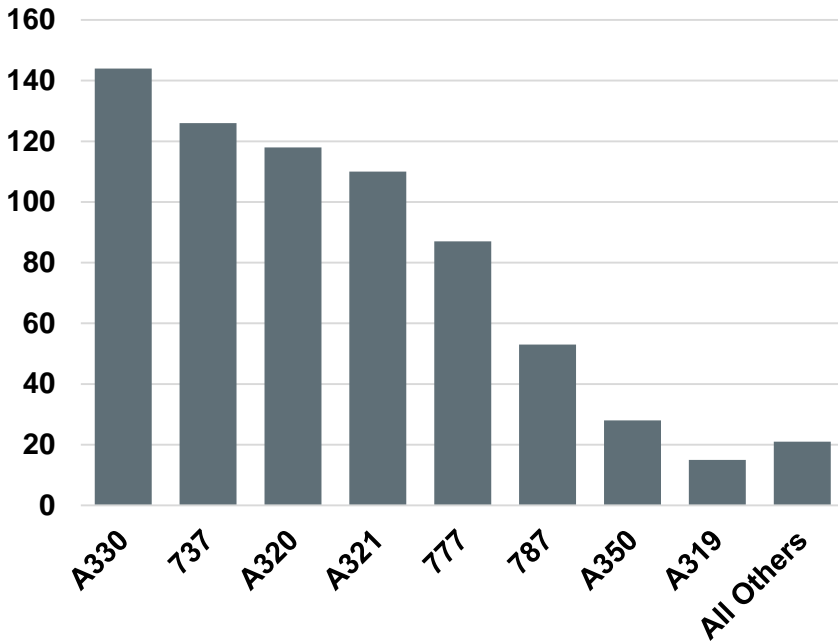■ % of Total Fleet   ■ % of Parked Fleet
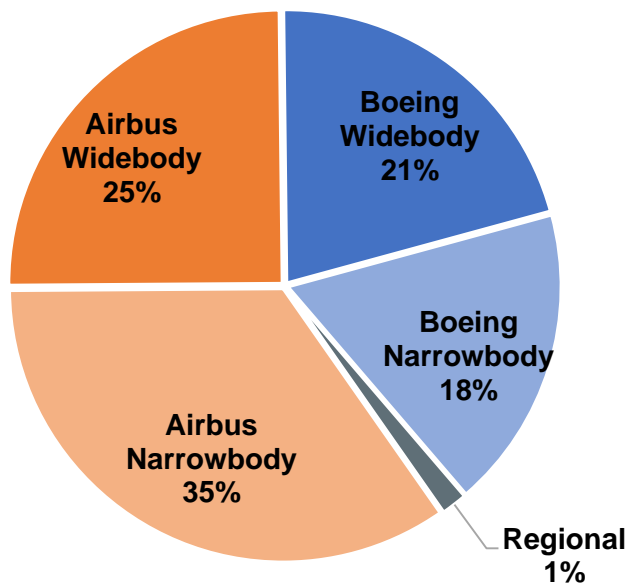
** Includes Hong Kong and Macau

Commercial Aviation in China

As the COVID-19 virus spread from Wuhan to the rest of China and around the world, the country's airlines were increasingly strained by the travel slowdown. mba's analysis of ADS-B data reveals the extent to which Chinese airlines parked hundreds of aircraft to match their significant reductions in flight activities.
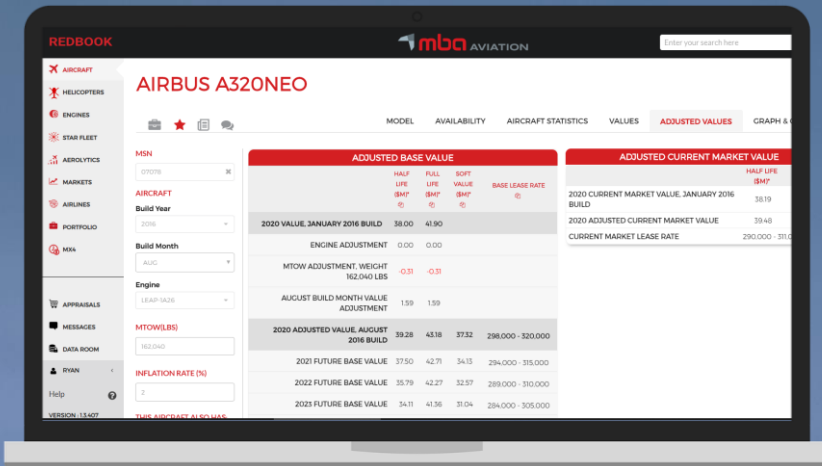
China's Parked Fleet by Model**

China's Parked Fleet by Body Type**

** Includes Hong Kong and Macau

Largest Parked Fleets

1. 中國東方航空 CHINA EASTERN

2. CHINA SOUTHERN AIRLINES

3. CATHAY PACIFIC

4. AIR CHINA 中国国际航空公司

5. 海南航空 HAINAN AIRLINES

6. CATHAY DRAGON

7. CHINA UNITED AIRLINES CUA

8. HKexpress

9. 上海航空公司 SHANGHAI AIRLINES

10. HONGKONG AIRLINES 香港航空

mba AVIATION

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