



Introduction	FAA	Problem Statement	Reported Strikes: General	Reported Strikes: Damages	Reported Strikes: Cost	Reported Strikes: Cost	Wildlife Hazards	Wildlife: Cost by Species
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United States Department of Transportation




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A BE-200 was on initial approach to an airport in Texas at 4500 feet AGL and 248 knots in April 2022 when an American white pelican was struck. The pilot landed the aircraft safely despite substantial damage to the right wing. The AWPE population in North America has increased 4-fold from 1990-2021 (Dolbeer 2020, Sauer et al. 2022). Photo, D. Warschun.



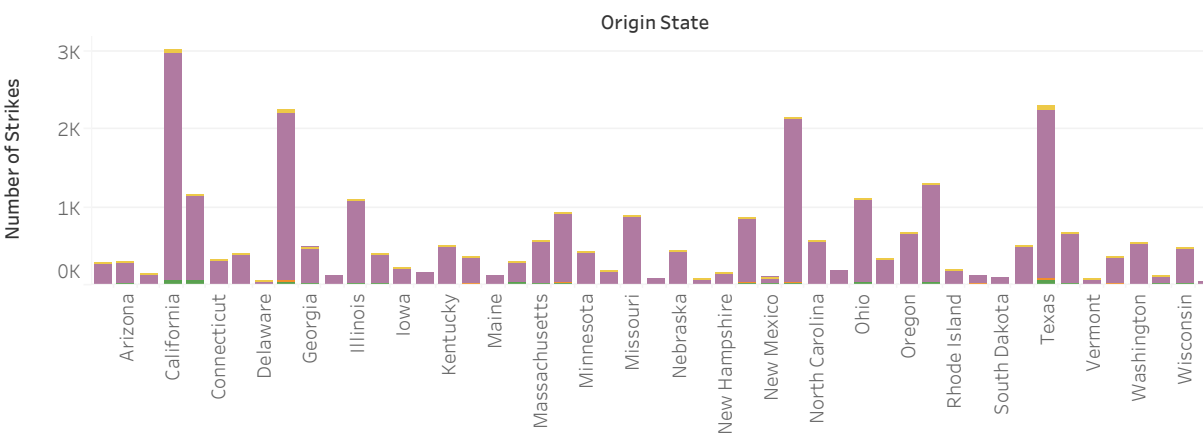
A great blue heron (mean body mass 2 kg) penetrated the radome of a CRJ 900 at 300 feet AGL on approach to a coastal Georgia airport, October 2022. The aircraft landed and was taken out of service for repairs. From 1990-2022, 575 great blue heron strikes with civil aircraft were reported; 20 percent of strikes caused damage. Photo, J. Burke, USDA



A CRJ900 struck a red-tailed hawk on departure from a Midwest airport, November 2022. The aircraft continued to its destination where the radome was replaced. In 2022, 235 red-tailed hawk strikes with civil aircraft were reported. Photo C. Mealman, USDA.

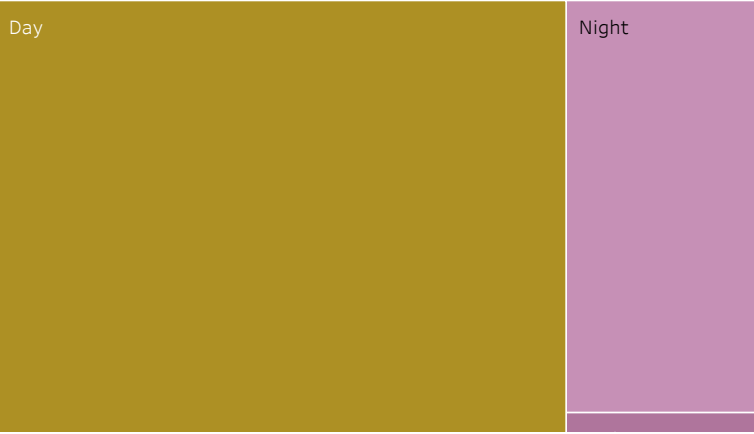


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Airport: Name

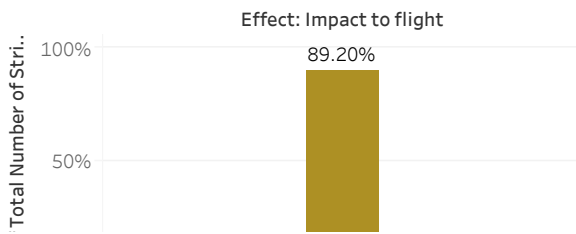
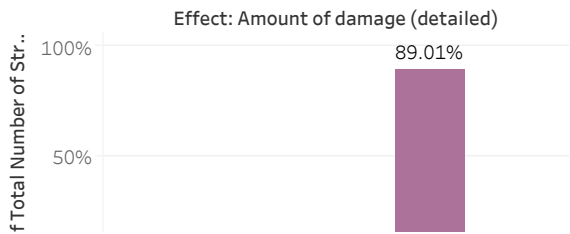
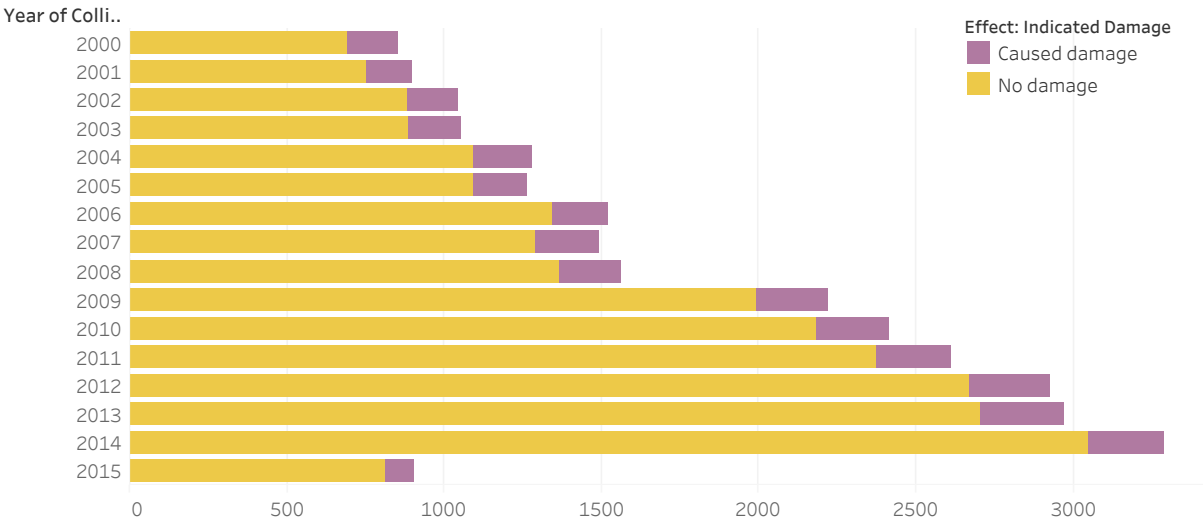
DALLAS/FORT WORTH INTL AR..	877
DENVER INTL AIRPORT	828
SACRAMENTO INTL	730
SALT LAKE CITY INTL	649
LA GUARDIA ARPT	606
JOHN F KENNEDY INTL	575
KANSAS CITY INTL	508
PORTLAND INTL (OR)	495
PHILADELPHIA INTL	486
CHICAGO O'HARE INTL ARPT	482
ORLANDO INTL	413
NEWARK LIBERTY INTL ARPT	399
LOS ANGELES INTL	395



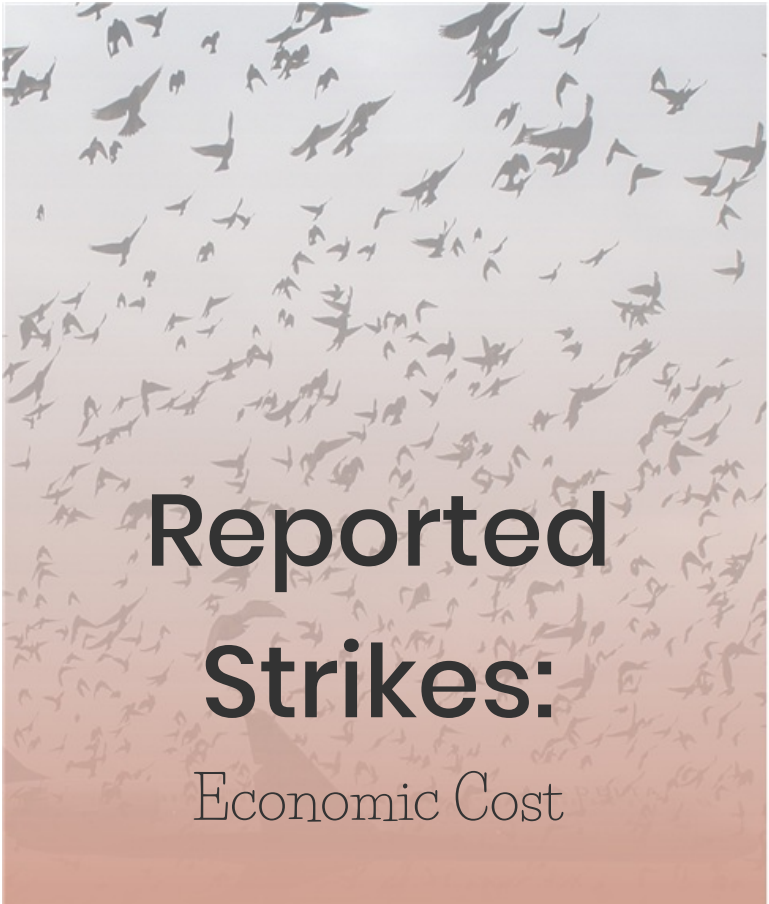
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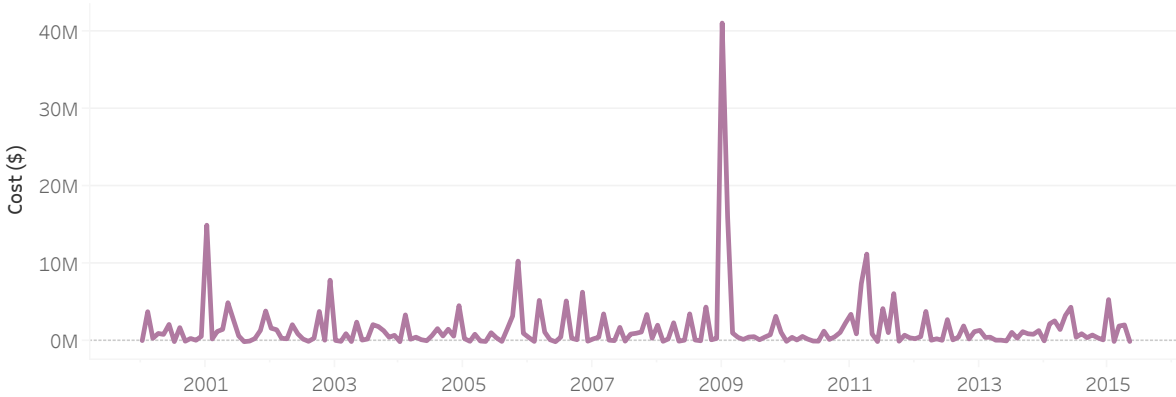
Overall Damage from 28,298 Reported Strikes



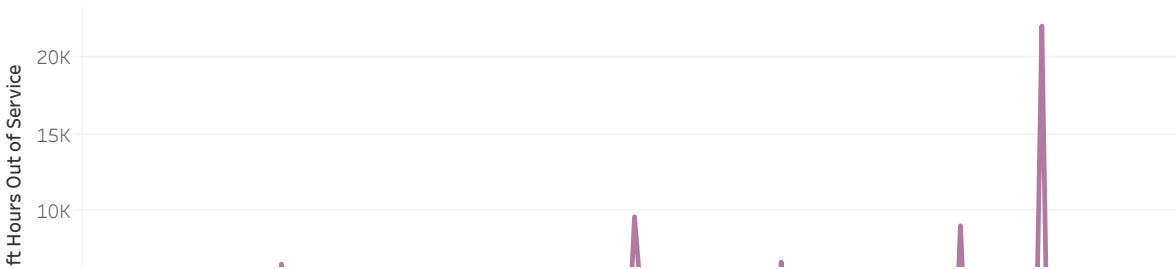
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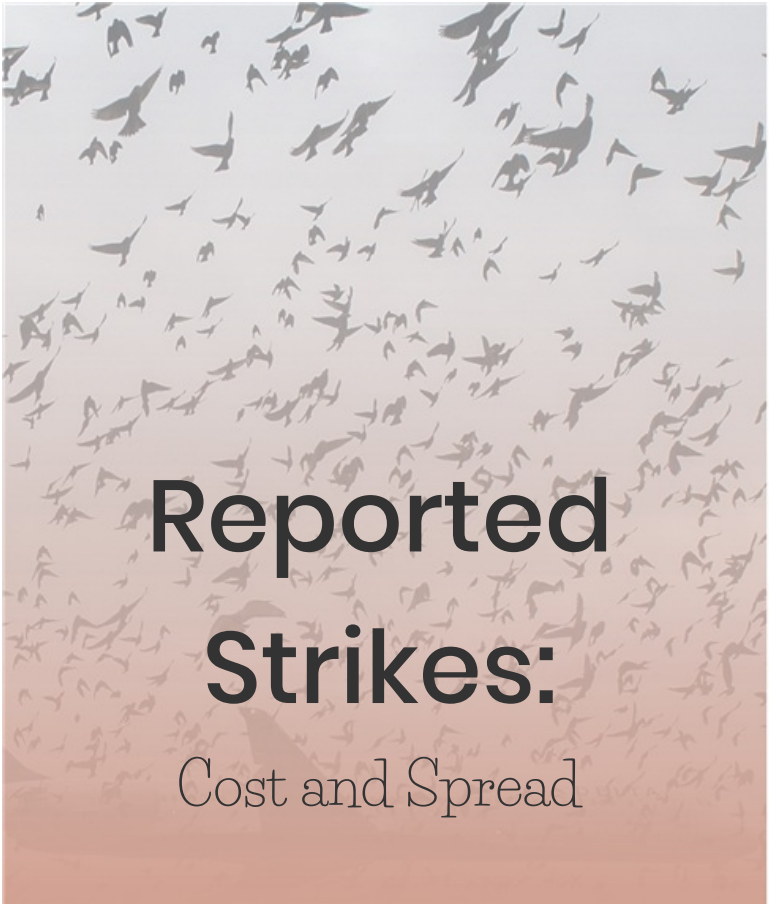
Overall Cost USD: **\$322,160,887**



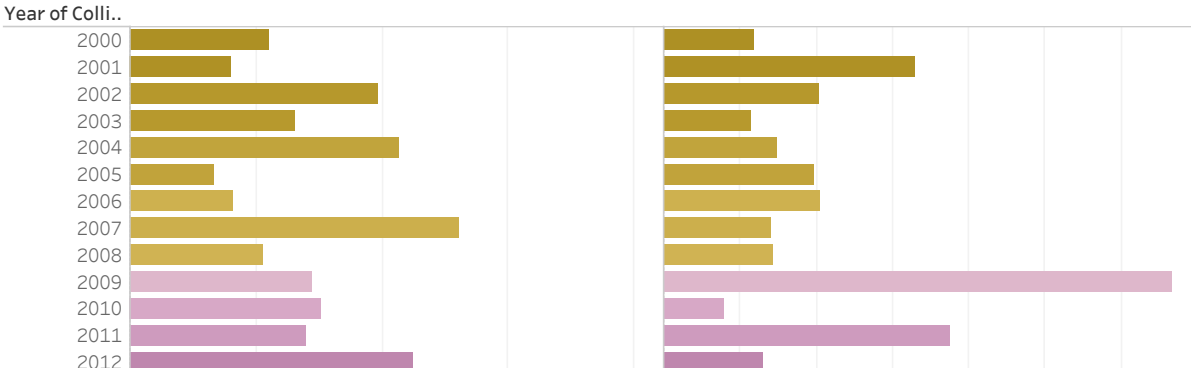
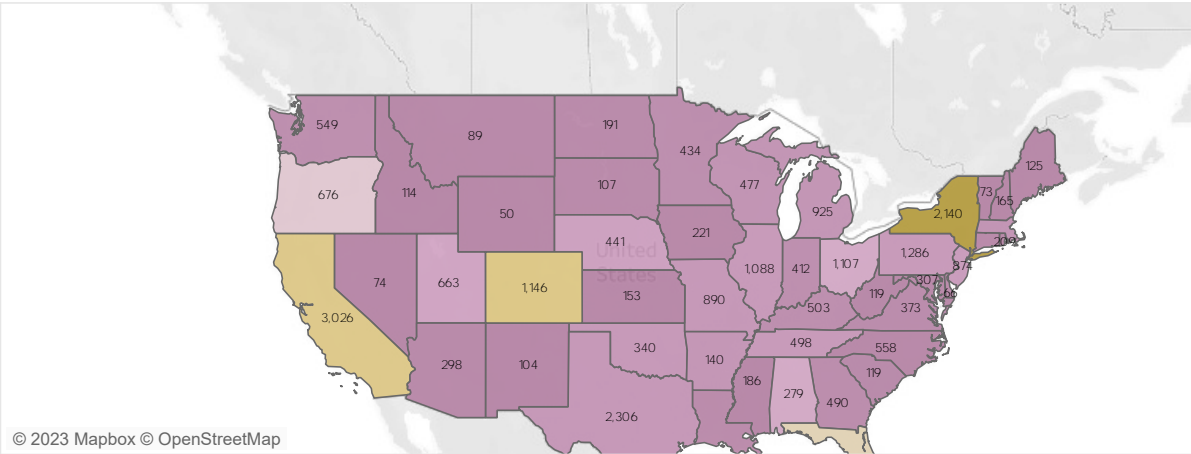
Overall Cost Hours: **248,276 Hours Out of Service**



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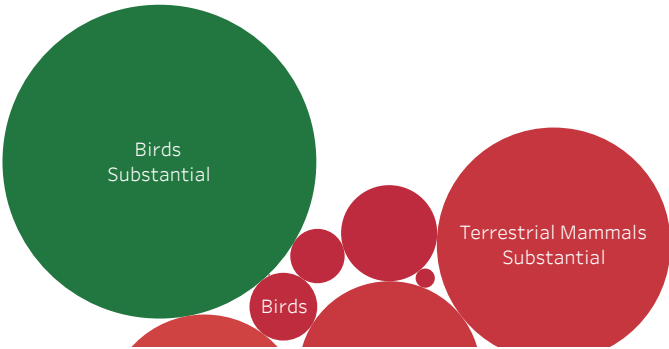
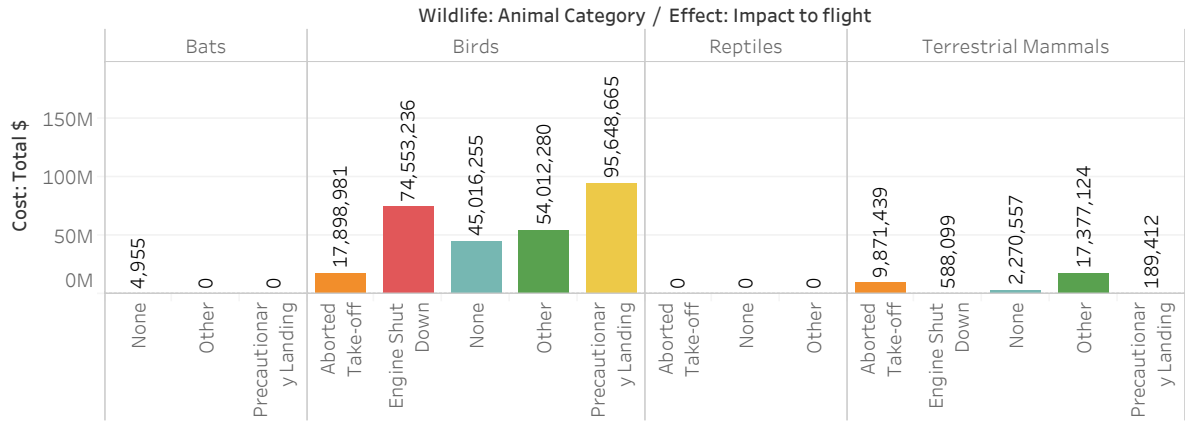
Cost per State and Over Time



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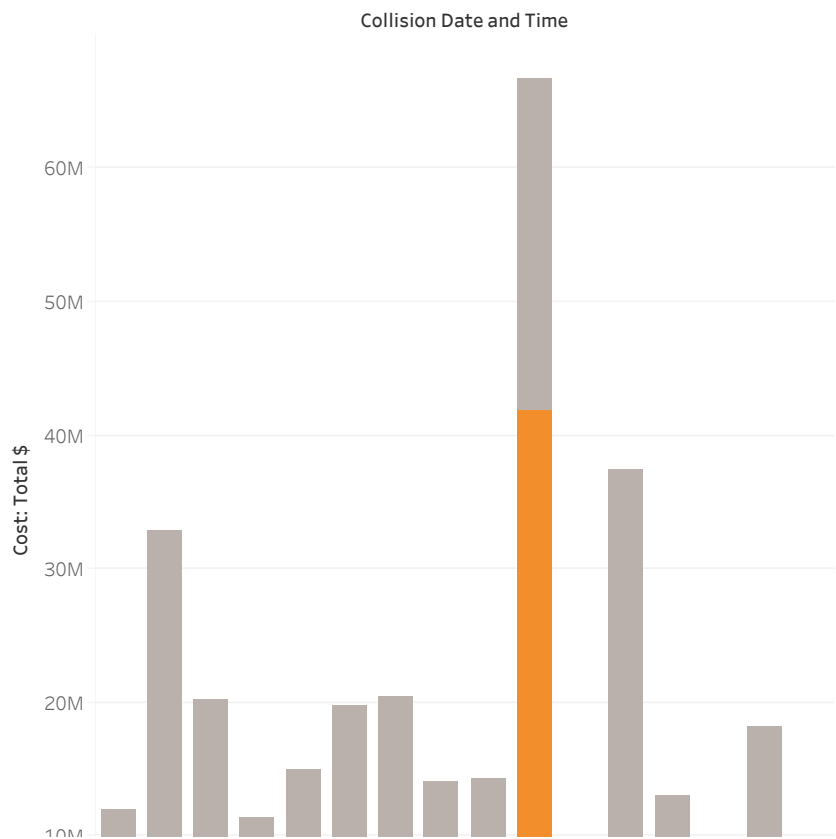


Effect - Impact to flight by Animal Category



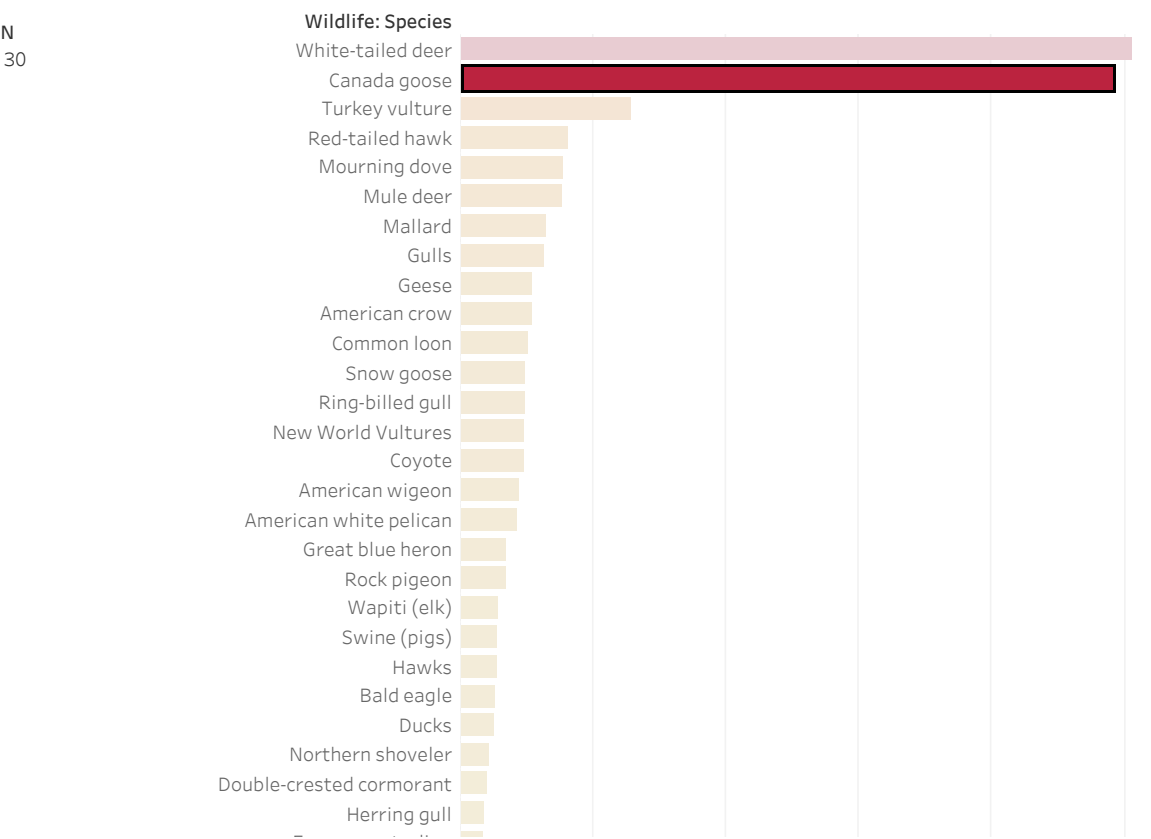
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Cost Per Year

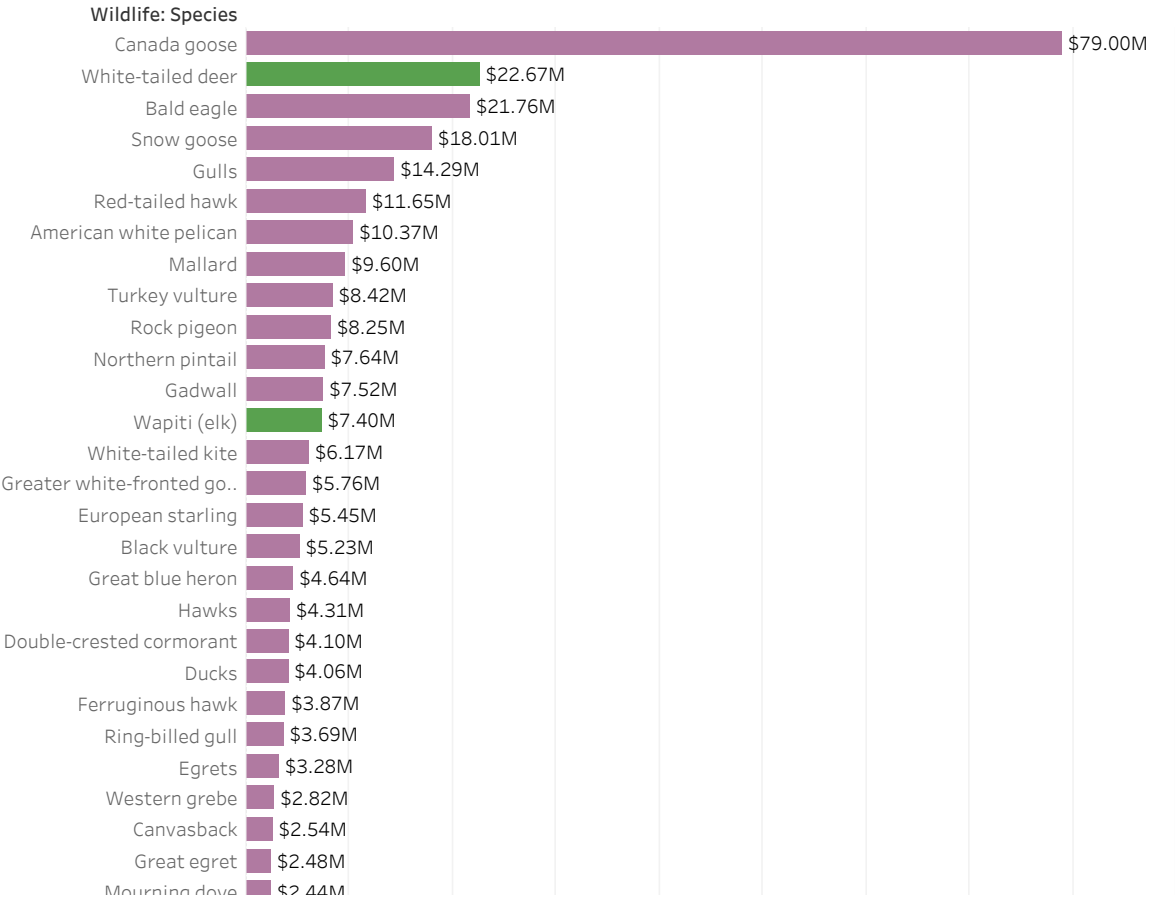


Metrics
Cost: Aircraft time ..

Strikes per species: Cost: Aircraft time out of service (hours)



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Species Patterns



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