SQL Queries

1. Total number of species by Each Park

SELECT Park\_Name, COUNT(\*) AS "Nº of Species"

FROM species

GROUP BY Park\_Name

ORDER BY COUNT(\*) DESC, Park\_Name

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1. Species Category %OF TOTAL

SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species) AS "% of Total"

FROM species

GROUP BY Category

ORDER BY "% of Total" DESC

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1. Nativeness %OF TOTAL

SELECT Nativeness , COUNT(\*)\*100\*1.0/(SELECT COUNT(Nativeness) FROM species) AS "% of Total"

FROM species

GROUP BY Nativeness

ORDER BY "% of Total" DESC

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1. Conservation Status %OF TOTAL

SELECT Conservation\_Status , COUNT(\*)\*100\*1.0/(SELECT COUNT(Conservation\_Status) FROM species) AS "% of Total"

FROM species

GROUP BY Conservation\_Status

ORDER BY "% of Total" DESC

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1. TOP 10 Parks with the largest number of species

SELECT TOP 10 Park\_Name, COUNT(\*) AS "Nº of Species"

FROM species

GROUP BY Park\_Name

ORDER BY COUNT(\*) DESC, Park\_Name

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1. Species Category % OF TOTAL for the TOP 10 Parks

SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Great Smoky Mountains National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Great Smoky Mountains National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Redwood National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Redwood National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Shenandoah National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Shenandoah National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Death Valley National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Death Valley National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Yellowstone National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Yellowstone National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Crater Lake National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Crater Lake National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'North Cascades National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'North Cascades National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Hawaii Volcanoes National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Hawaii Volcanoes National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Rocky Mountain National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Rocky Mountain National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Great Basin National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Great Basin National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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1. TOP 10 Parks with the least number of species

SELECT TOP 10 Park\_Name, COUNT(\*) AS "Nº of Species"

FROM species

GROUP BY Park\_Name

ORDER BY COUNT(\*) ASC, Park\_Name

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1. Species Category % OF TOTAL for the TOP 10 Parks with the least number of species

SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Petrified Forest National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Petrified Forest National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Dry Tortugas National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Dry Tortugas National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Great Sand Dunes National Park and Preserve' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Great Sand Dunes National Park and Preserve'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Kobuk Valley National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Kobuk Valley National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Arches National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Arches National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Kenai Fjords National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Kenai Fjords National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Black Canyon of the Gunnison National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Black Canyon of the Gunnison National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Theodore Roosevelt National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Theodore Roosevelt National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Canyonlands National Park' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Canyonlands National Park'

GROUP BY Category

ORDER BY "% of Total" DESC

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SELECT Category , COUNT(\*)\*100\*1.0/(SELECT COUNT(Category) FROM species WHERE Park\_Name = 'Katmai National Park and Preserve' ) AS "% of Total"

FROM species

WHERE Park\_Name = 'Katmai National Park and Preserve'

GROUP BY Category

ORDER BY "% of Total" DESC

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