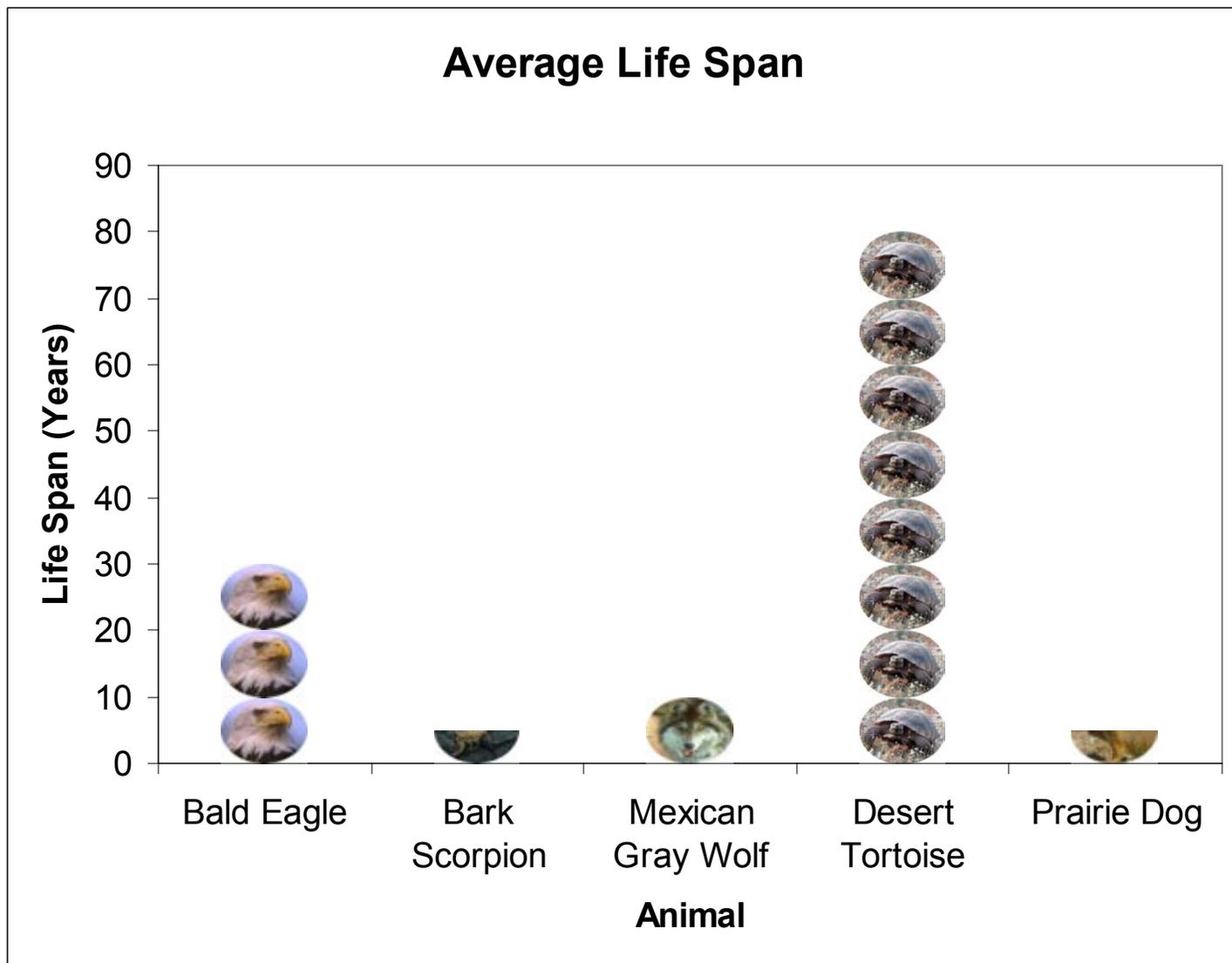


Sample Pictograph



Data for the pictograph was provided by the Phoenix Zoo (<http://www.phoenixzoo.org>) and the Arizona-Sonora Desert Museum (<http://www.desertmuseum.org>).

Pictures were provided by the Arizona Game and Fish Department and the Arizona-Sonora Desert Museum.

Average Life Spans in Years

| Mammals | Wild | Captive |
|-----------------------|--------------|----------------|
| Mountain lion | 10–15 | 18 |
| Elk | 15 | 26 |
| White-tailed deer | 8 | Up to 17 |
| Black bear | 18 | 36 |
| Desert bighorn sheep | 10–12 | 24 |
| Pronghorn | 10 | 11 |
| Javelina | 7–13 | 21 |
| Coyote | 14 | 21 |
| Kit fox | 20 | |
| Coati | 12–15 | 17 |
| Ringtail | 16 | |
| Raccoon | 20 | |
| Bobcat | 32 | |
| Bats | 5–30 | |
| Jackrabbit | 13 | |
| Cottontail | 1–2 | |
| Striped skunk | 6 | 10 |
| Pocket gopher | 4–5 | |
| Packrat | 2–3 | 7 |
| Kangaroo rat | 9 | |
| Shrew | 1.5 | |
| Birds | Wild | Captive |
| Gambel's quail | 1.5–2 | |
| Hummingbird | 13 | |
| House finch | 11 | |
| Cactus wren | 7–10 | |
| Roadrunner | 7 (1 record) | 9 |
| Gila woodpecker | 7 (1 record) | |
| Curve-billed thrasher | 10 | |
| Northern mockingbird | 8 | 20 |
| Red-tailed hawk | 21 | 29 |
| Great horned owl | 20+ | |
| Elf owl | 4 | 14 |
| Burrowing owl | 8 | |
| Turkey vulture | 20 | |
| Raven | 20 | over 50 |
| Golden eagle | 30 | |
| Condor | 45–70 | |
| European Starling | 20 | 7 |

| Fish | Wild |
|------------------|-------------|
| Bonytail chub | 30–40 |
| Humpback chub | 30+ |
| Razorback sucker | 30–40 |
| Speckled dace | 2–3 |
| Loach minnow | 2 |

| Reptiles /Amphibians | Wild | Captive |
|-----------------------------|-------------|----------------|
| Diamondback rattlesnake | | 25 |
| Gopher snake | | 12–20 |
| Common kingsnake | | 12–23 |
| Gila monster | | 27 |
| Desert spiny lizard | | 5 |
| Western whiptail lizard | | 1–2 |
| Desert iguana | | 14 |
| Horned lizard | | 8 |
| Bullfrog | | 7 |
| Sonoran Desert toad | | 15 |
| Couch's spadefoot | | 6 |

| Plants | Wild |
|----------------------|--------------------|
| Saguaro | 150–200 |
| Creosote | 7,000–11,000 |
| Yellow paloverde | 400 |
| Ironwood | 300-400 |
| Ocotillo | 150–200 |
| Mesquite | 100 |
| Brittlebush | 7 (1 known to 32) |
| Prickly pear cactus | 30 |
| Barrel cactus | 65 (rarely to 100) |
| Mormon tea (ephedra) | 50 |
| White bursage | 35–100 |

(c) Pinau Merlin

From "Longevity - The Long and Short of It"
Arizona Wildlife Views Magazine, May/June 2005

Graphing Life Spans Rubric

Use the following rubric to assist as you create your pictograph.

| CATEGORY | 4 | 3 | 2 | 1 |
|-----------------------------|---|--|---|--|
| Correct Use of Terminology | Mathematical terms (more than, less than, equal, greatest, least, most) are used correctly. | Most mathematical terms are used correctly, but others are mislabeled or missing. | Some mathematical terms are used correctly; many are mislabeled or missing. | Many mathematical terms are used incorrectly and/or are missing. |
| Accuracy of Calculations | All calculations are accurate. | Most calculations are accurate. | Some calculations are accurate. | Few calculations are accurate. |
| Accuracy of Plot | All points are plotted correctly and are easy to see. A ruler is used to neatly connect the points or make the bars, if not using a computerized graphing program. | All points are plotted correctly and are easy to see. | All points are plotted correctly, but may be difficult to see. | Points are not plotted correctly OR extra points were included. |
| Completeness | All required elements are included: identification of each of the 5 animals, its life span, the greatest life span and least number of years lived, calculations showing equal life spans (if any), along with examples of more than and less than. | Most required elements are included, but some are missing or mislabeled. | Some required elements are included, but many are missing or mislabeled. | Only a few of the required elements are included. |
| Neatness and Attractiveness | Exceptionally well designed, neat, and attractive. Colors that go well together are used to make the graph more readable. A ruler and graph paper (or graphing computer program) are used. | Neat and relatively attractive. A ruler and graph paper (or graphing computer program) are used to make the graph more readable. | Lines are neatly drawn but the graph appears quite plain. | Appears messy and "thrown together" in a hurry. Lines are visibly crooked. |

