

Predicting bird classification by bone lengths

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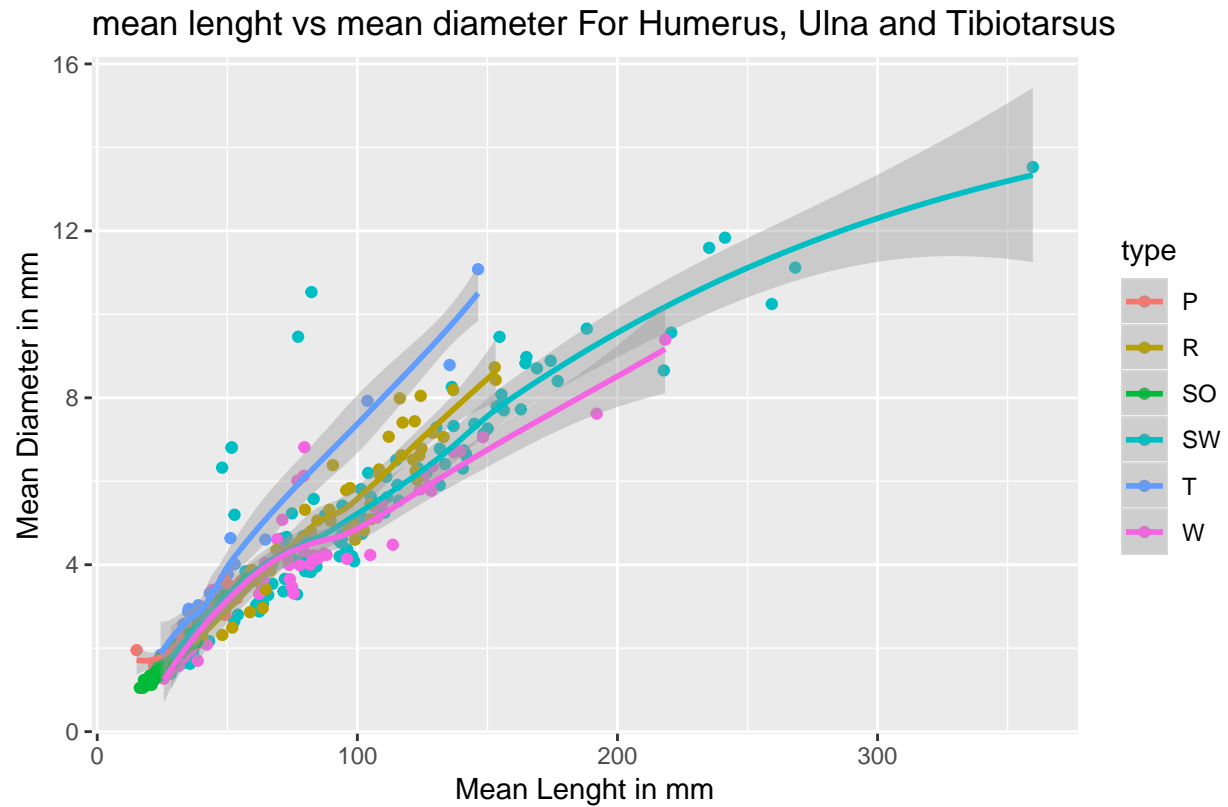
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Results



Graph 1: Bone lengths

The Femur as we can see in Graph 1 is the one of the smallest bones in all bird groups, 2nd to the Tarsometatarsus. Because these 2 bones are so small there is not a lot of variation measurable between the different bird groups and thus not that important for classification, that is why in this experiment there was chosen to leave these 2 bones out for classification.



graph 2: lenght vs diameter

graph 2 shows us that the total bone lenght for the Swimming Birds is quite a bit larger than the other birds. Also we can see that the Terrestrial birds have thicker bones than the rest of the birds but are still quite small. the singing birds are overall very small and should be easy to classify. The raptors and Wading birds are a bit average and could become difficult to classify but the raptors are a bit thicker and the Wading birds are a bit smaller.