

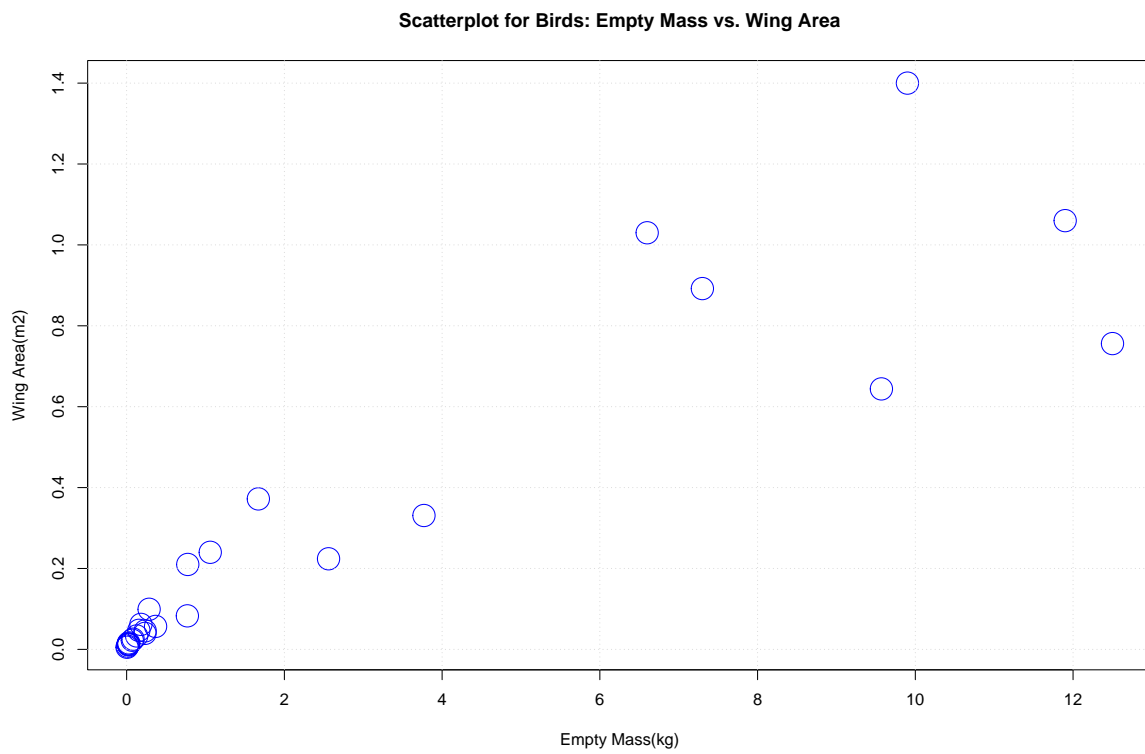
Homework1

OuyangJingzhou22212561

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1 Plot

Welcome to package FlyingR



2 Explanation

The above plot shows the relation between **Empty Mass** kg and **Wing Area** m^2 of birds. As can be seen from the plot, there are roughly two types of birds: large birds and small birds:

- Small birds: Most birds have a *small* weight and wing area, they scatter near the origin, their wing area does not exceed $0.1m^2$ and their weight does not exceed $1kg$
- Large birds: A small number of birds are very *large*, ranging from $2kg$ to $12kg$, and their wing area gradually increases, up to $1.4m^2$

In addition, we can also see that there is a **proportional relationship** here. Obviously, the heavier the bird, the larger the wing area, which is consistent with daily cognition. And most birds are small, only a small number of birds are large.

3 Source

The documentation for the R dataset **FlyingR**: [Source](#)