題號： 90
科目：水產資源學(A)
節次： 6

國立臺灣大學 109 學年度碩士班招生考試試題

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答案請填寫於試卷內，附上題號，並依序作答。可用英文或中文回答。

1. （25分）Data used in stock assessments can be categorized as either fishery-dependent or fishery-independent. Please explain and give examples of the two types of data.

2. （25分）Please explain what the catch-per-unit-effort (CPUE) standardization is and how to conduct it.

3. （20分）Please explain the concepts of the maximum sustainable yield (MSY) and the density-dependent population growth.

4. （30分）The following figure is a Kobe plot which commonly be used to determine the status of a fish stock. Please explain the meanings of the quadrants I-IV in the figure. What is the stock status in 2013 based on the Kobe plot?