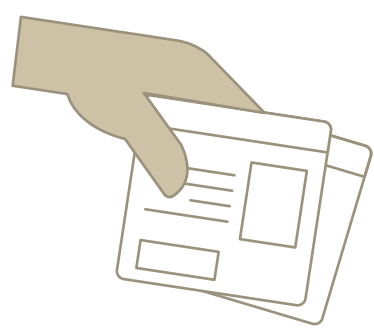


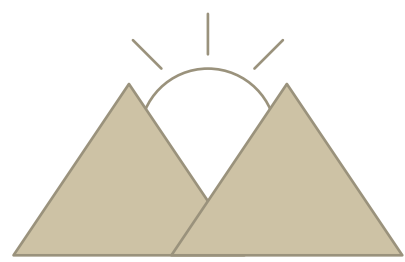
# AI 解碼抹香鯨的語言

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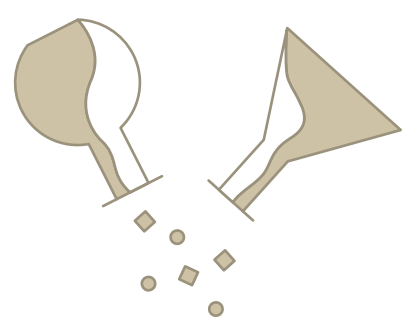


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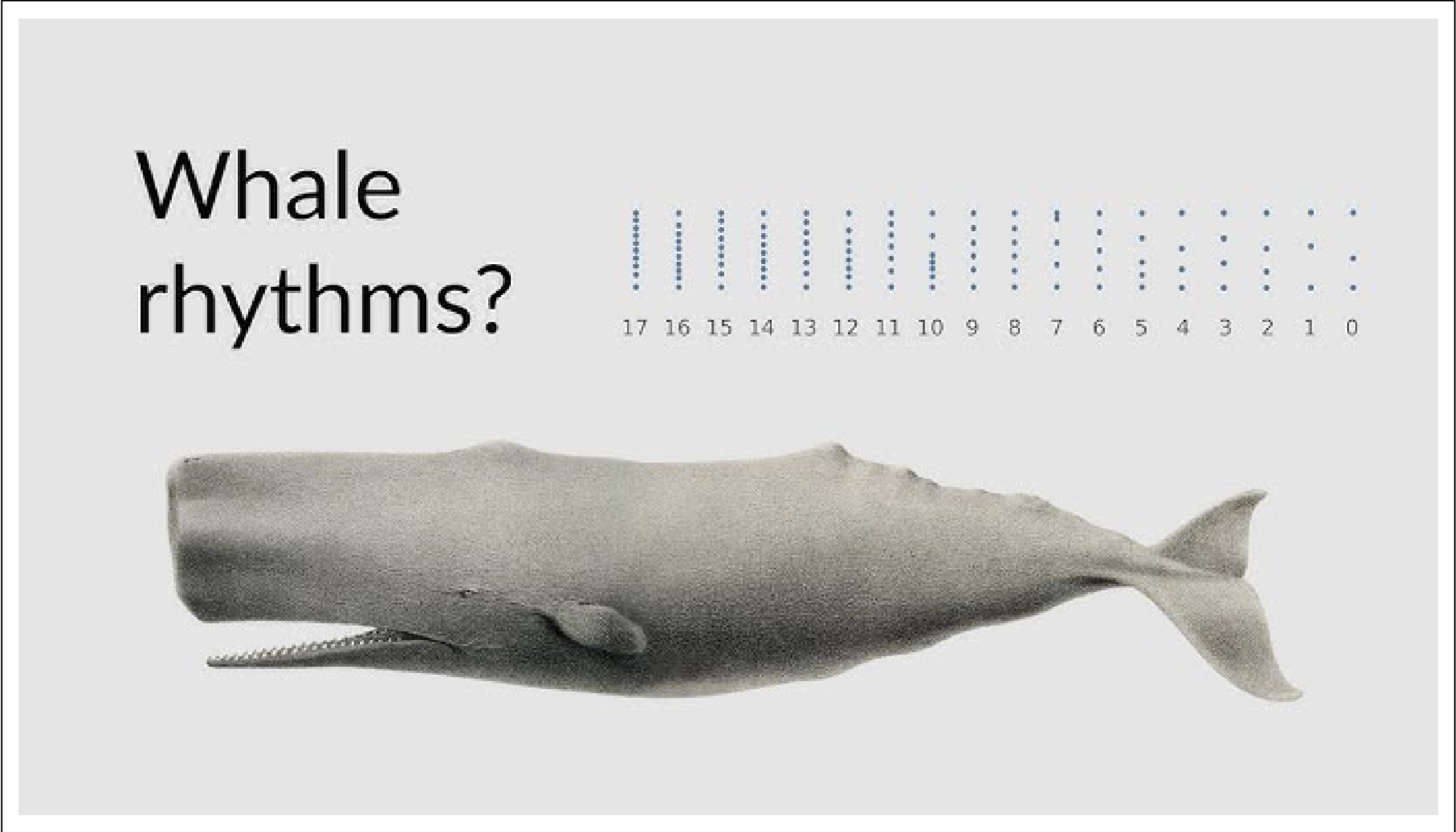
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# AI 解碼抹香鯨的語言

## AI Reveals Sperm Whale 'Phonetic Alphabet'



1 Researchers studying sperm whale communication have found that their vocal patterns are surprisingly complex, similar to structures in human language.

研究人員發現，抹香鯨的溝通模式出現了令人驚訝的複雜結構，這些結構與人類語言有相似之處。

Sperm whales, which live deep in the ocean, hunt giant squid, but how they catch these fast creatures remains a mystery.

"They're slow swimmers," says Kirsten Young, a marine scientist at the University of Exeter, noting that whales only move about 3 knots (5.5 km/h or 3.5 mph), while squid are much quicker. There's still much we don't know about how these slow whales manage to catch their prey, as they often dive as deep as 3 km and can stay underwater for up to two hours.

抹香鯨生活在深海，以大烏賊為食，它們如何捕捉這些快速移動的獵物仍然是一個謎。「它們游得很慢，」埃克塞特大學的海洋科學家克爾斯汀·楊 (Kirsten Young) 說，抹香鯨的移動速度只有約每小時3節 (5.5 公里/小時或3.5英里/小時)，而烏賊游得快得多。研究人員仍不清楚這些速度慢的抹香鯨如何能夠成功捕獲它們的獵物，抹香鯨通常潛入深達3公里的海域，並能在水下停留長達兩個小時。

While hunting, sperm whales stay in groups, clicking constantly to communicate, says Young. After about an hour of diving, they **surface** together for about 15 to 20 minutes before diving again.



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