

INTRODUCTION to **ANALYTICS MODELING** **Classification**

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SVM:
What the Name Means



Overview

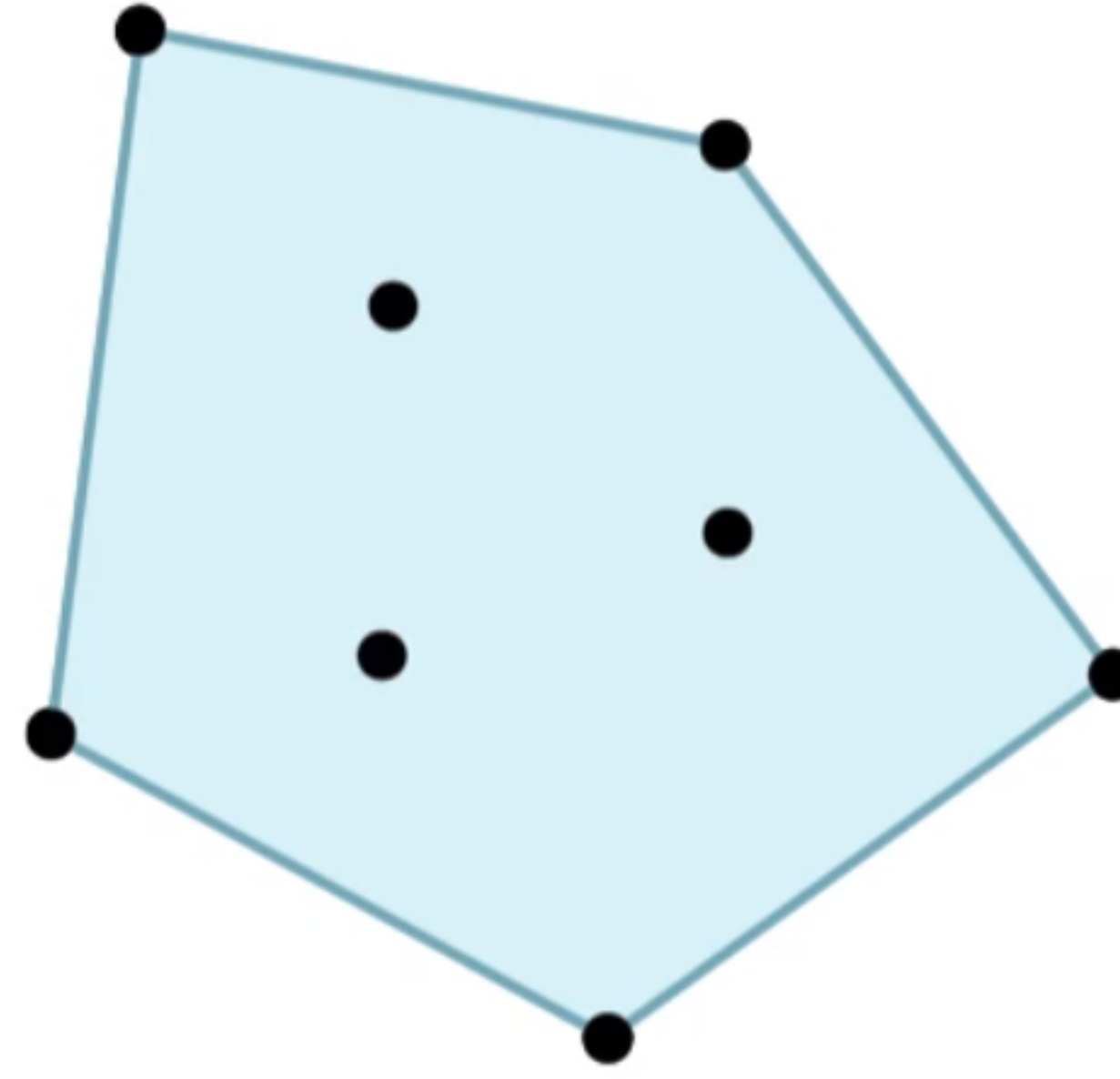
Previous Lessons

- Support Vector Machine (SVM)

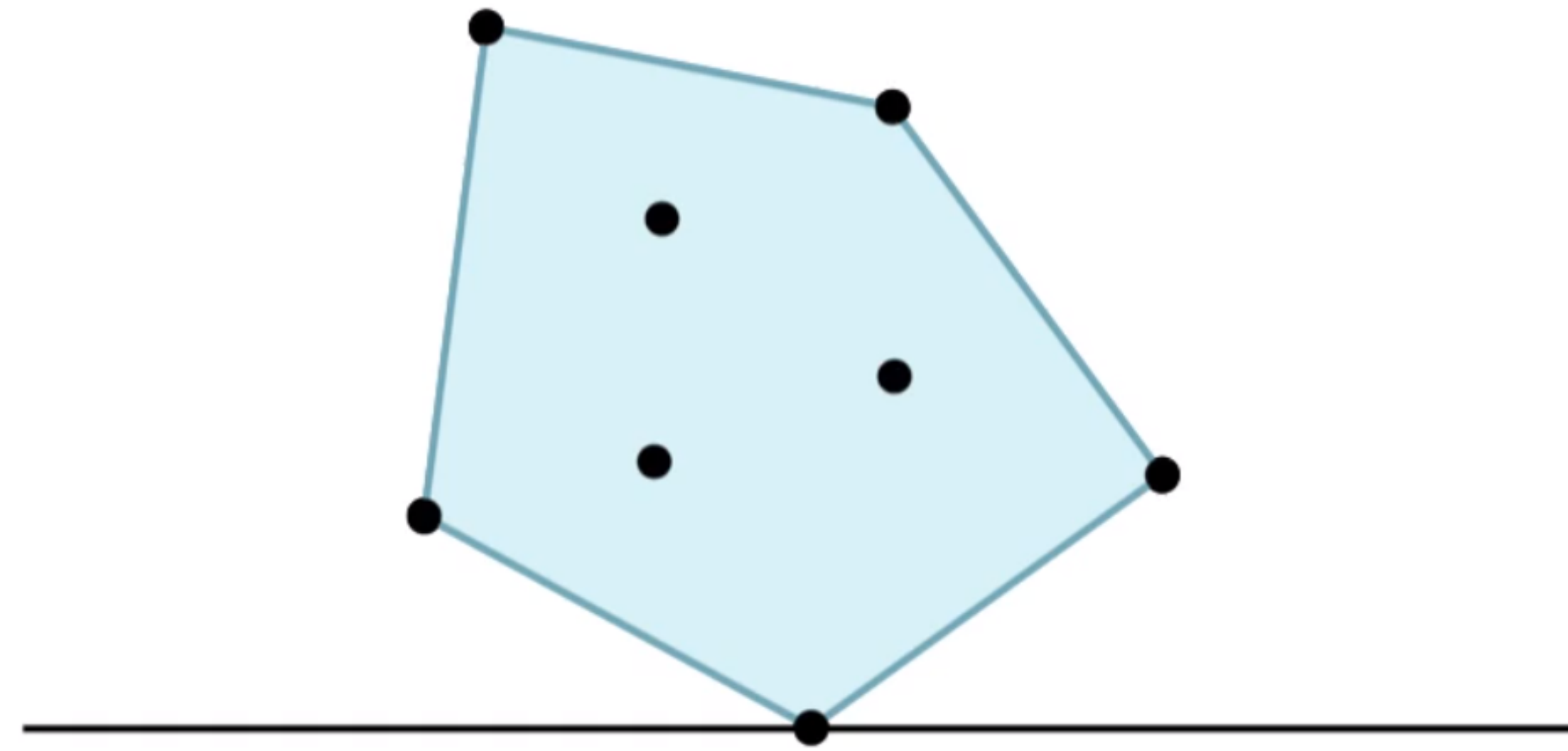
This Lesson

- What the name SVM means

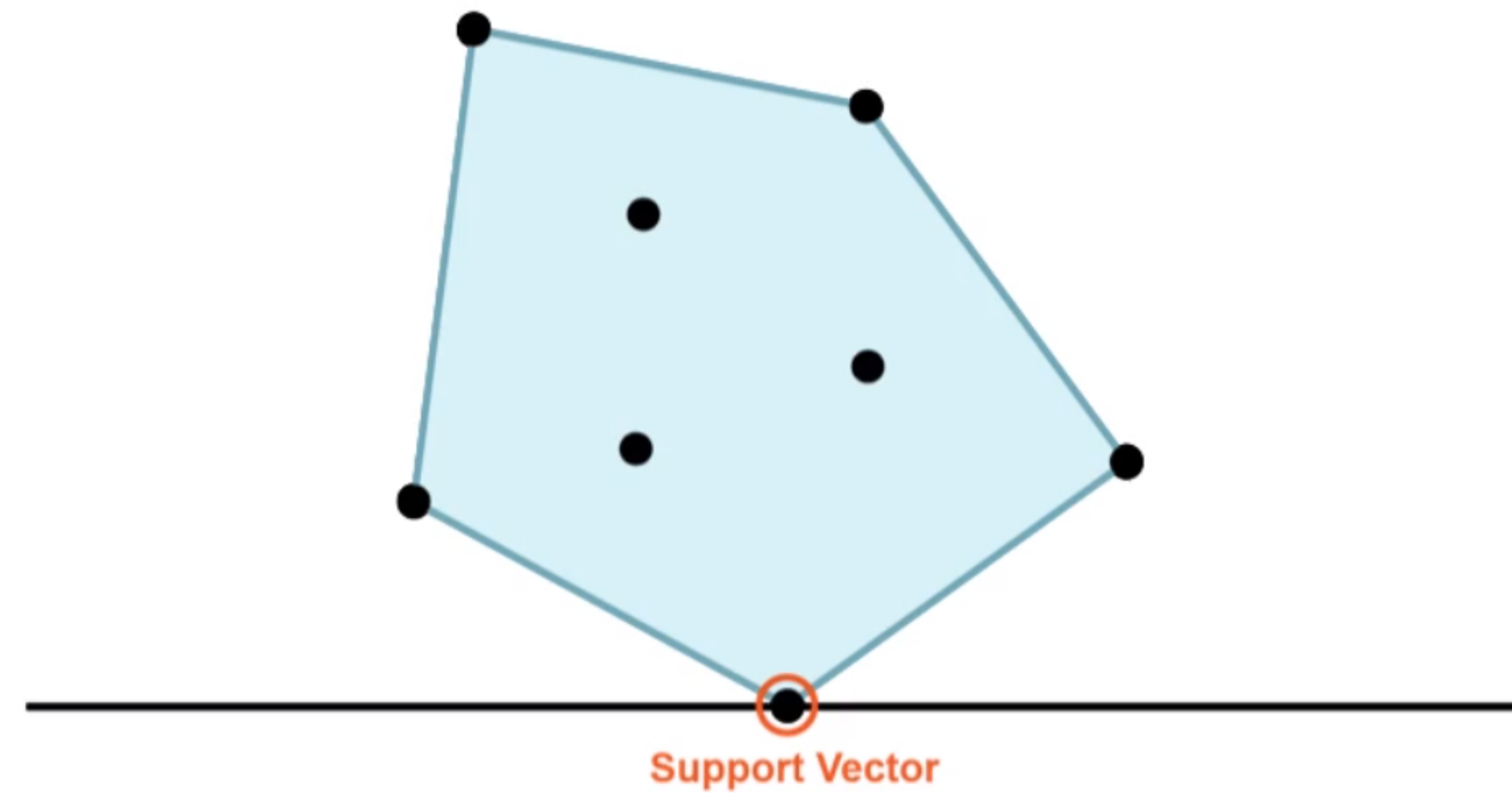
Support vectors



Support vectors

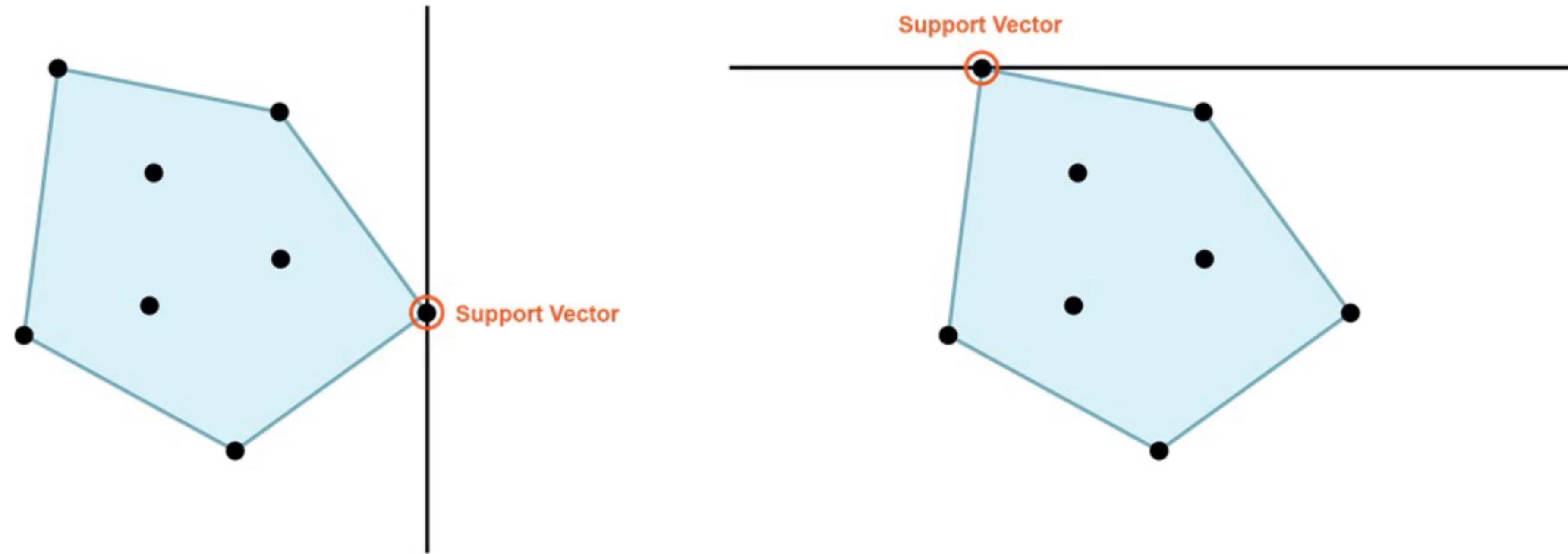


Support vectors



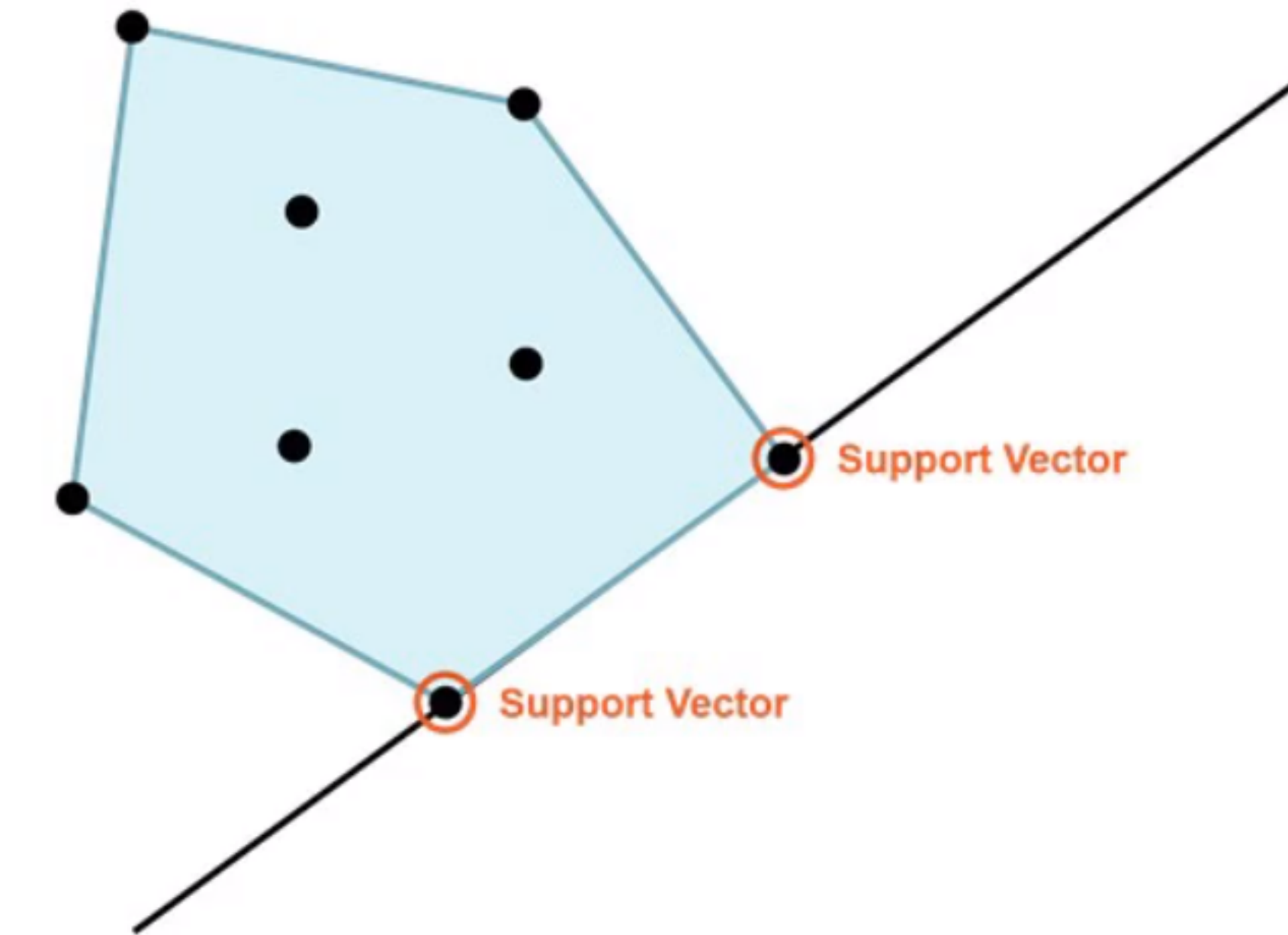
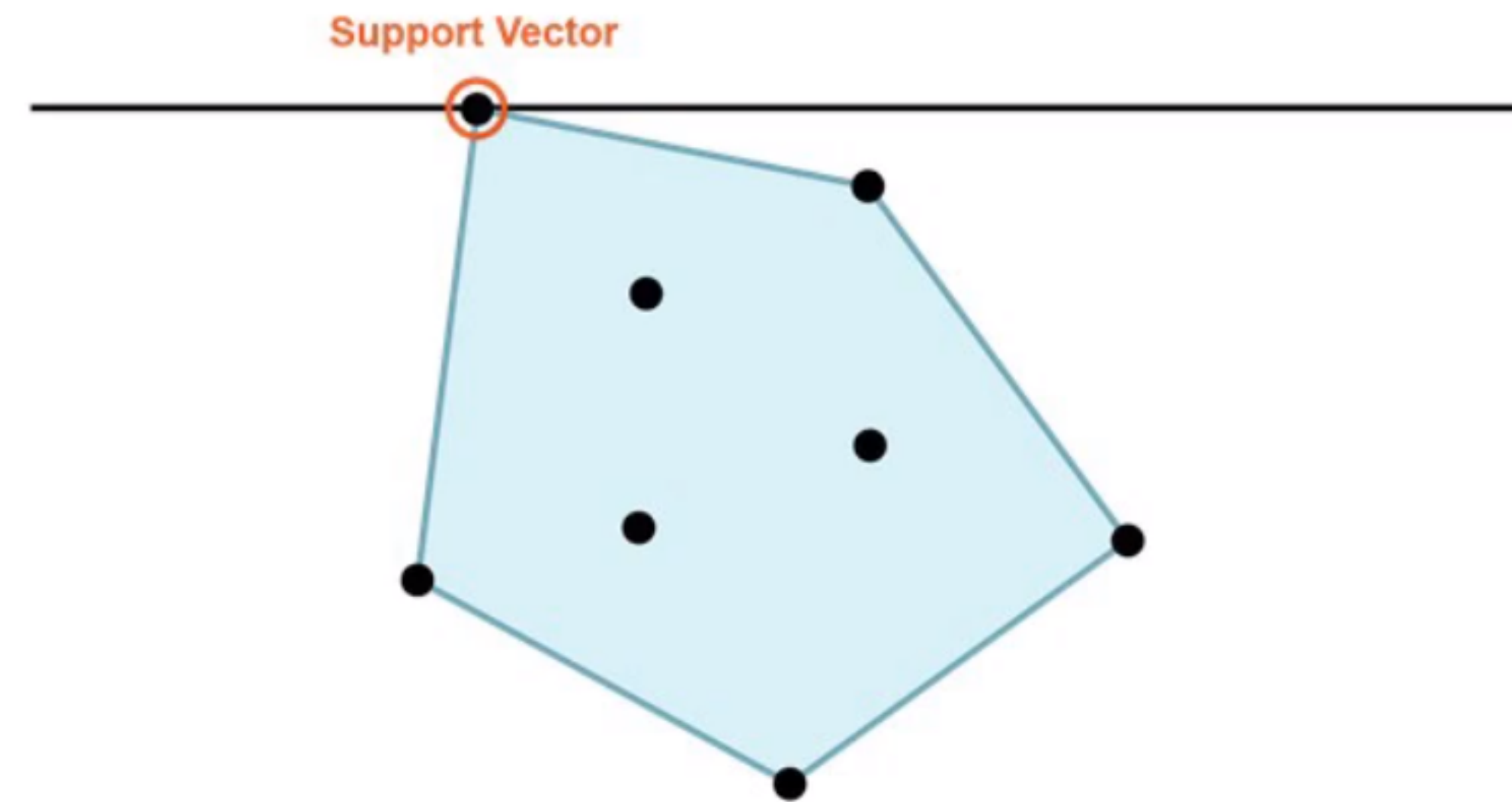
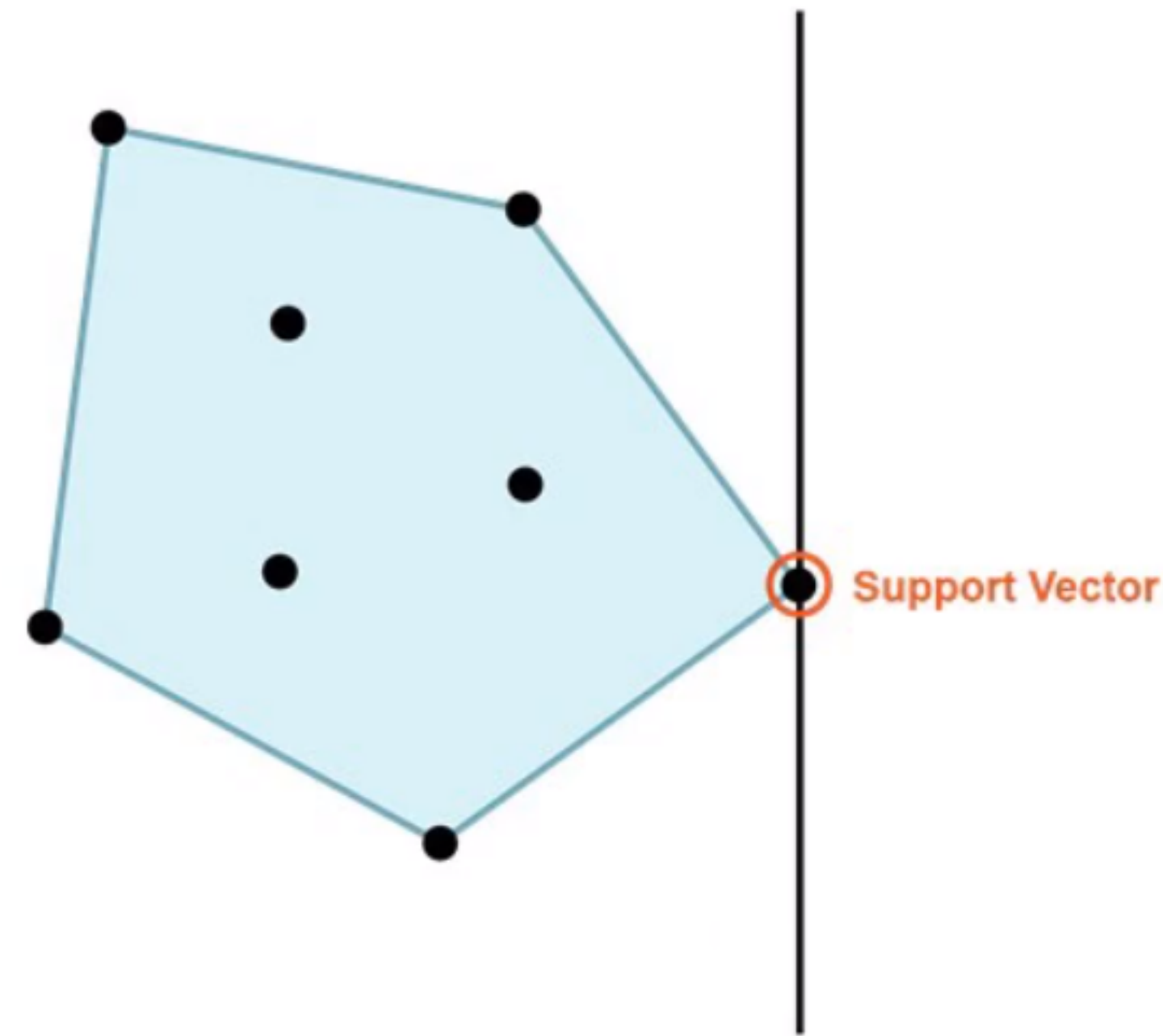
- Point that holds up shape = support vector

Support vectors



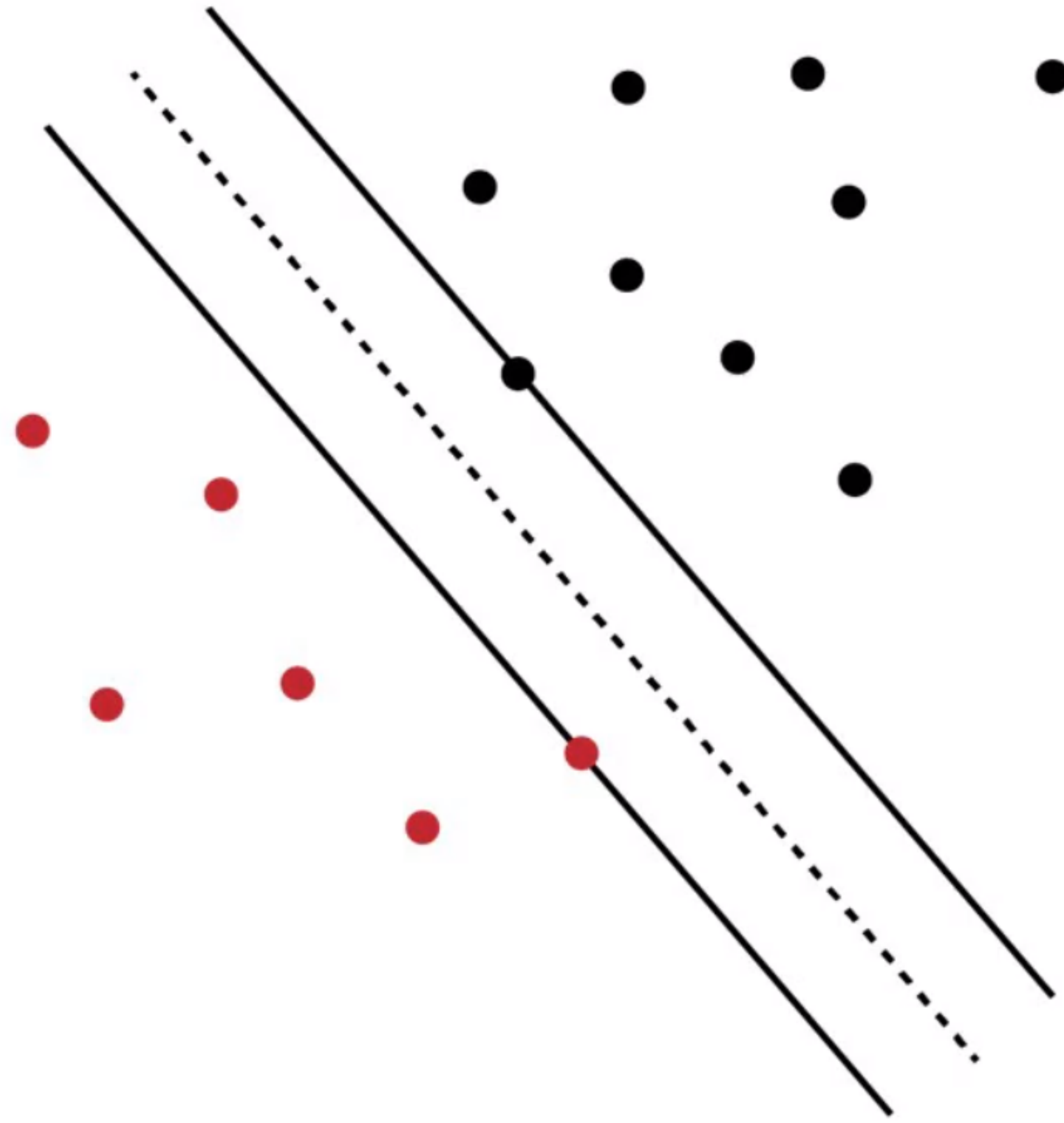
- Point that holds up shape = support vector
 - Support vectors can support sides, top, etc.

Support vectors

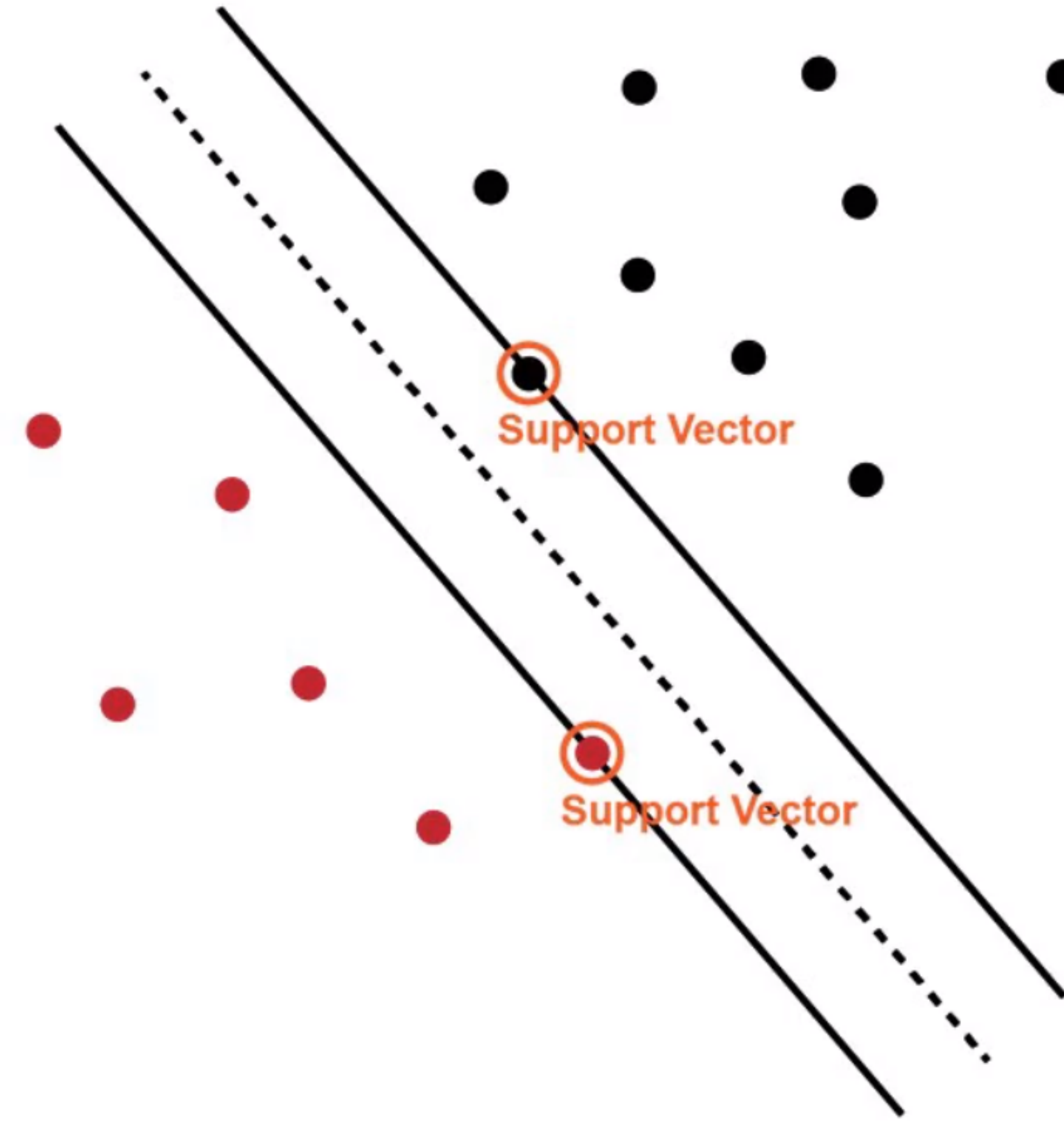


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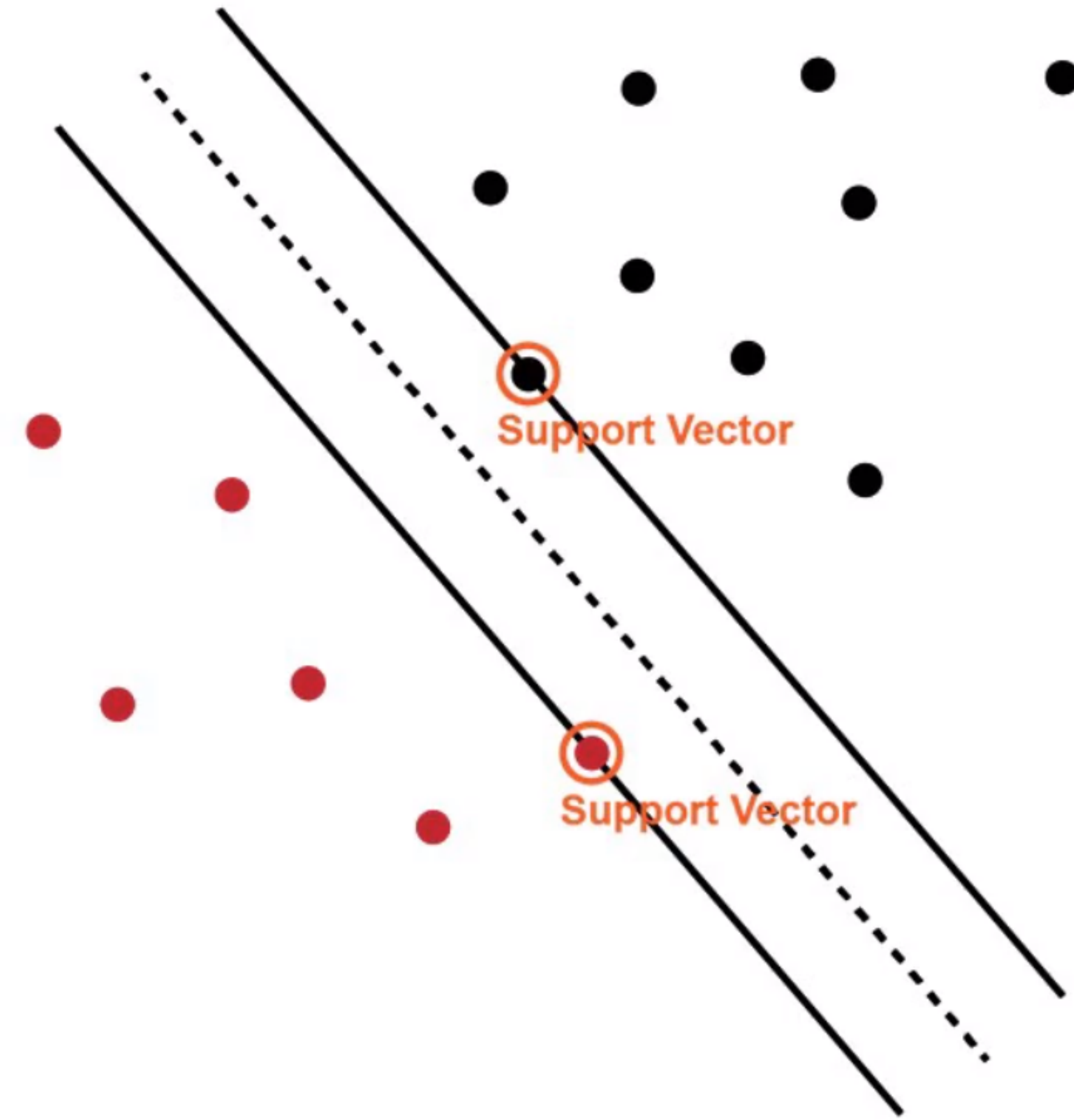
Basic SVM Model for Classification



Basic SVM Model for Classification



Basic SVM Model for Classification



- Support Vector Machine model
 - Determines “support vectors”
 - Automatically from data (hence, “machine”)