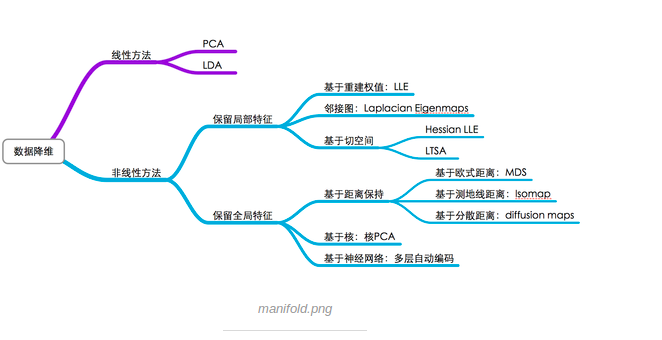
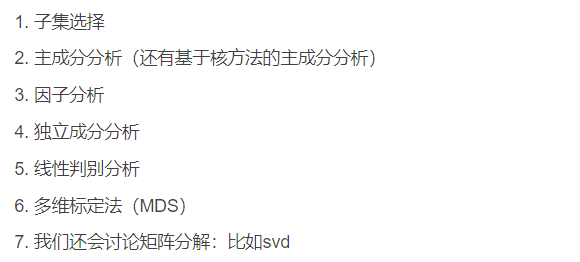
## 原理部分

1. **数据降维分类图**

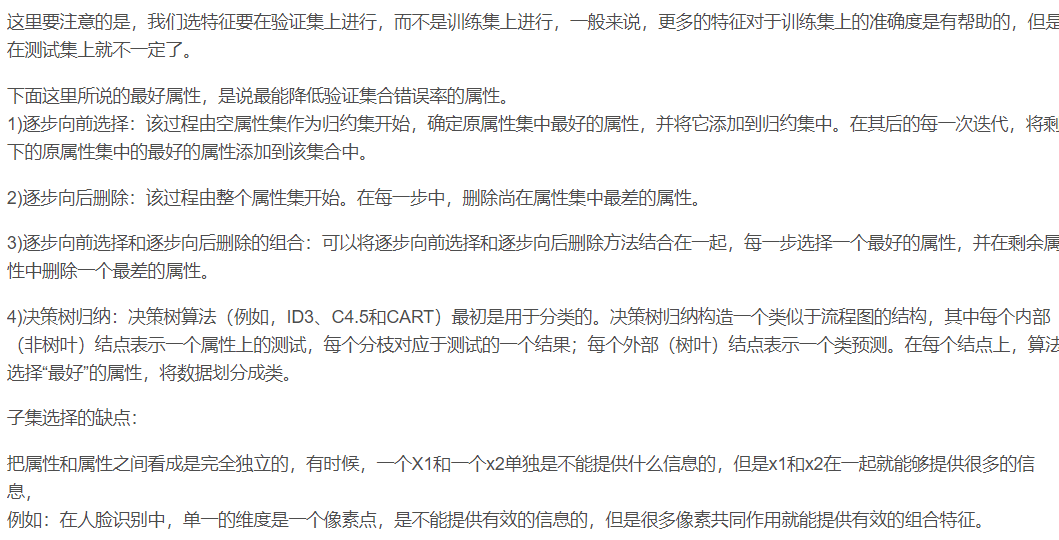


1. **线性降维方法**



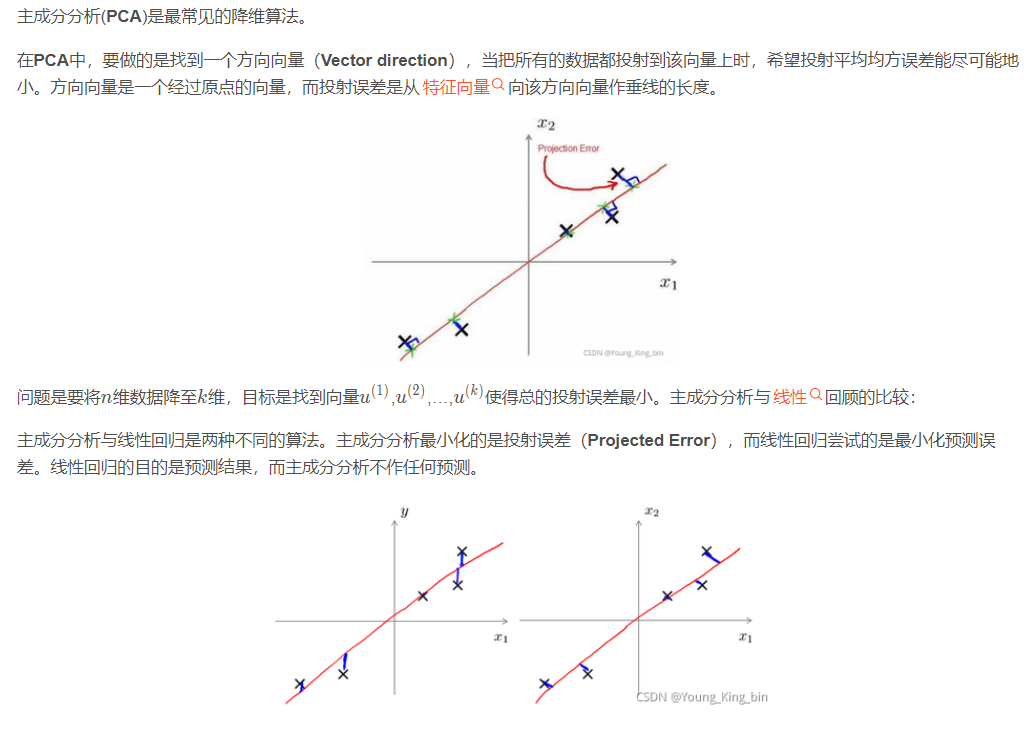
1. **子集选择**

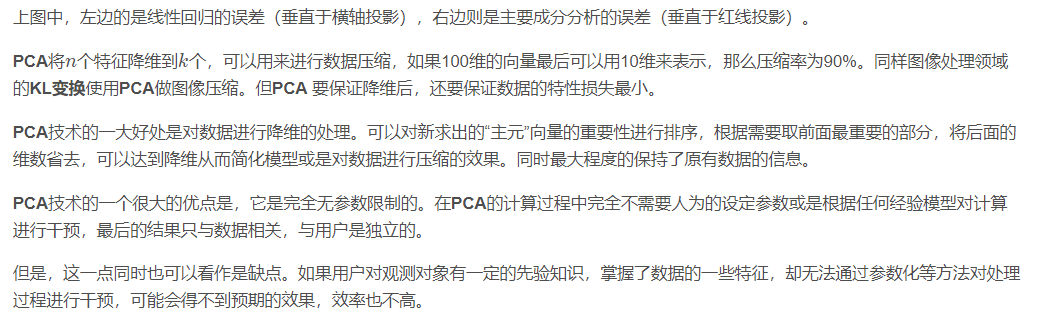




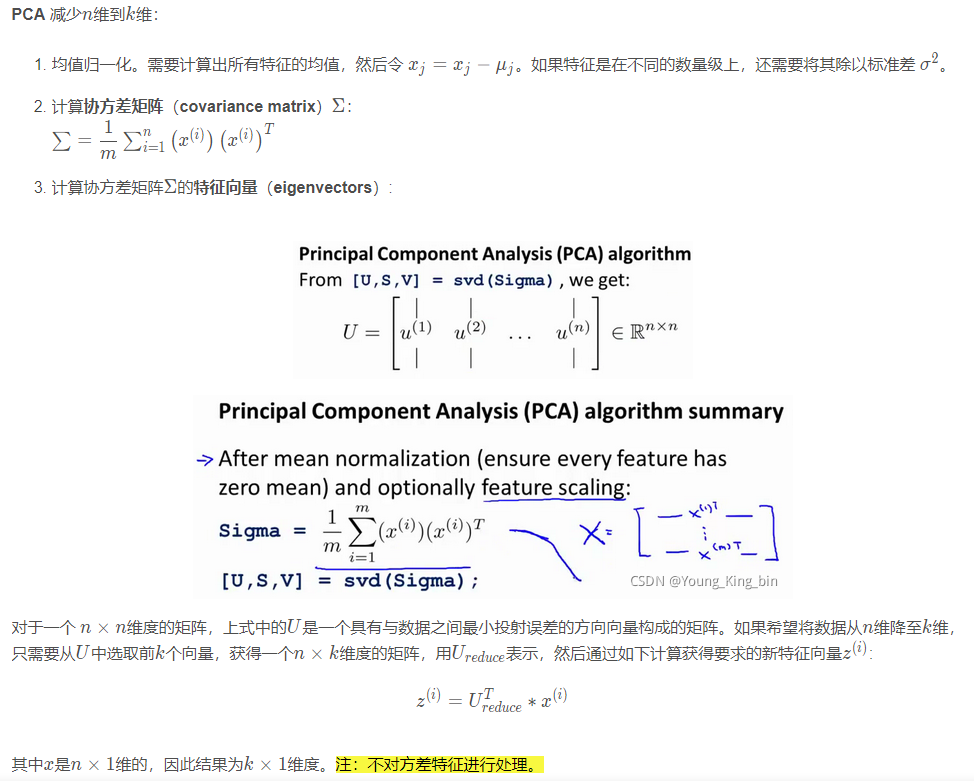
1. **主成分分析PCA**

**# 主成分分析**

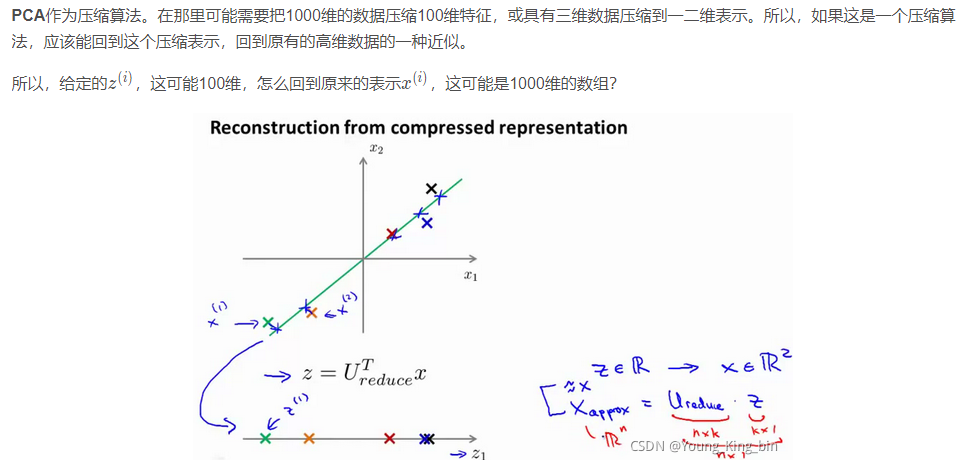


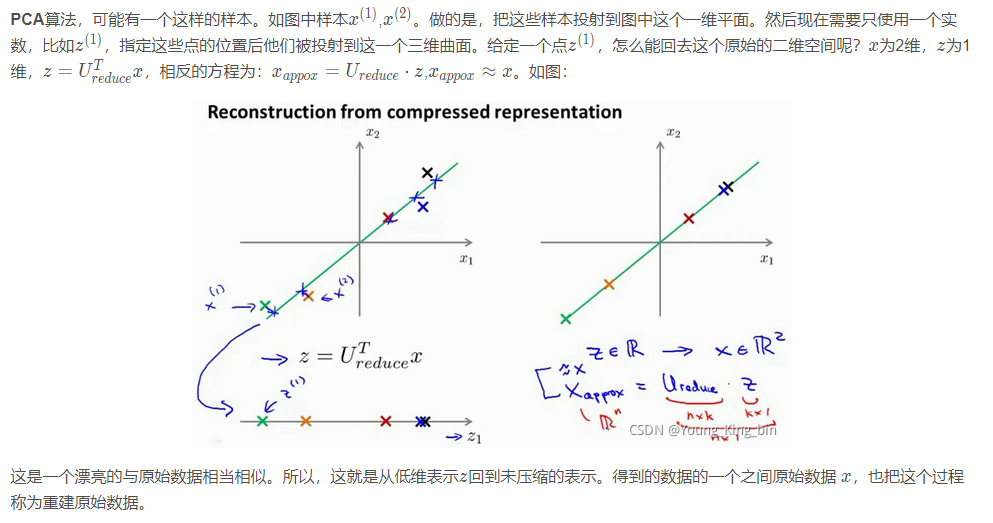


**# 主成分分析算法**

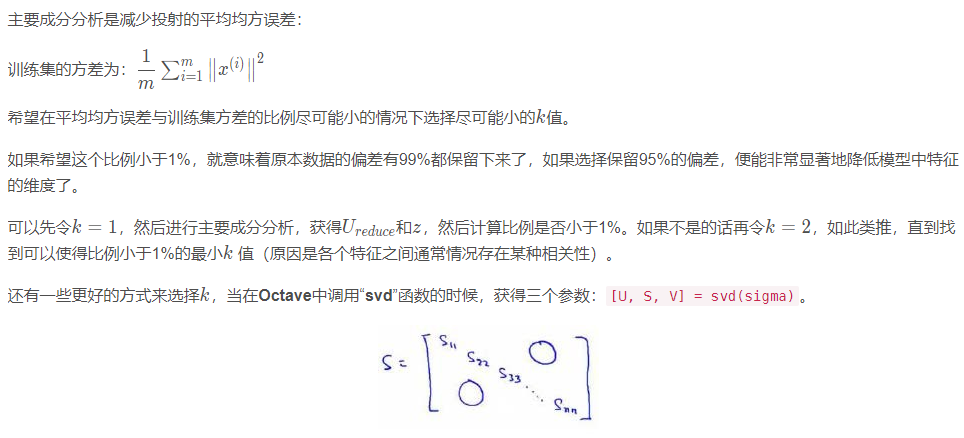


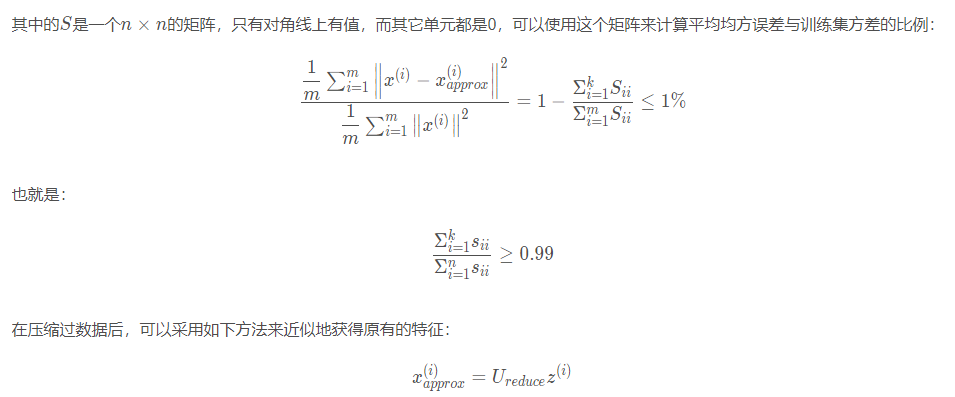
**# 重建压缩表示**



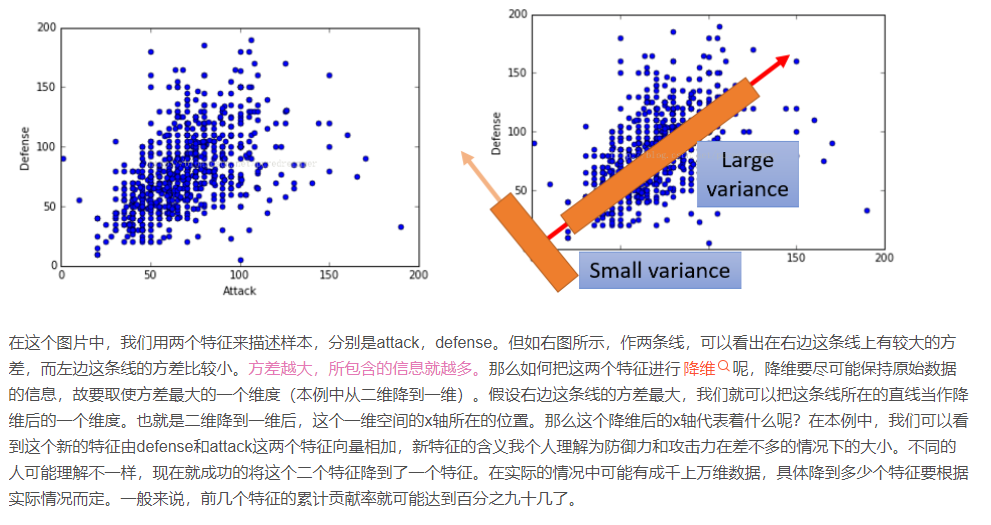


**# 选择主成分的数量**





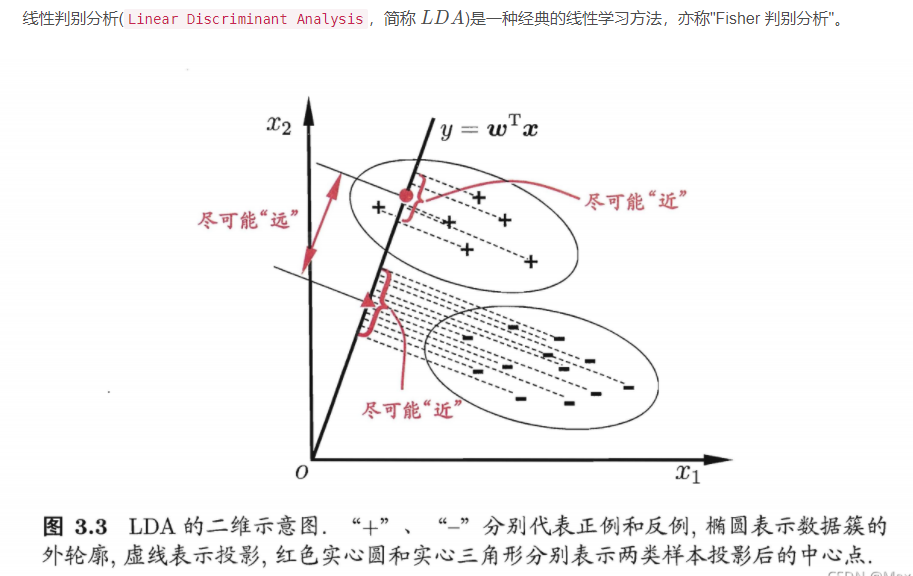
1. **主成分分析案例**

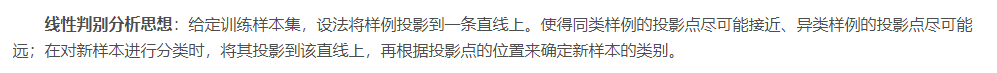


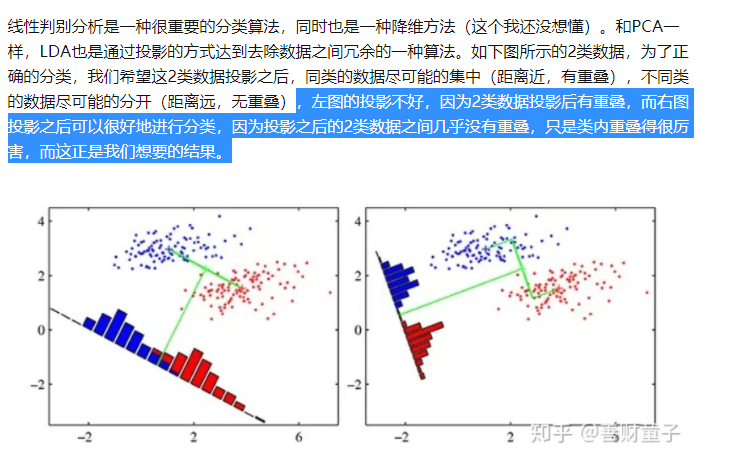
代码

1. **线性判别分析LDA**

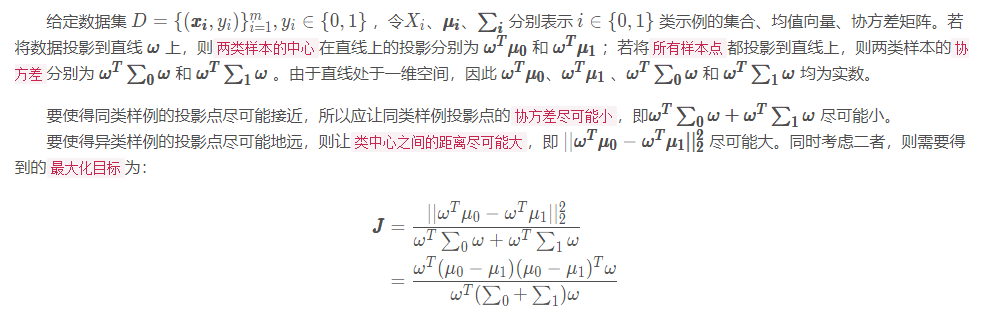
**# 线性判别分析介绍**

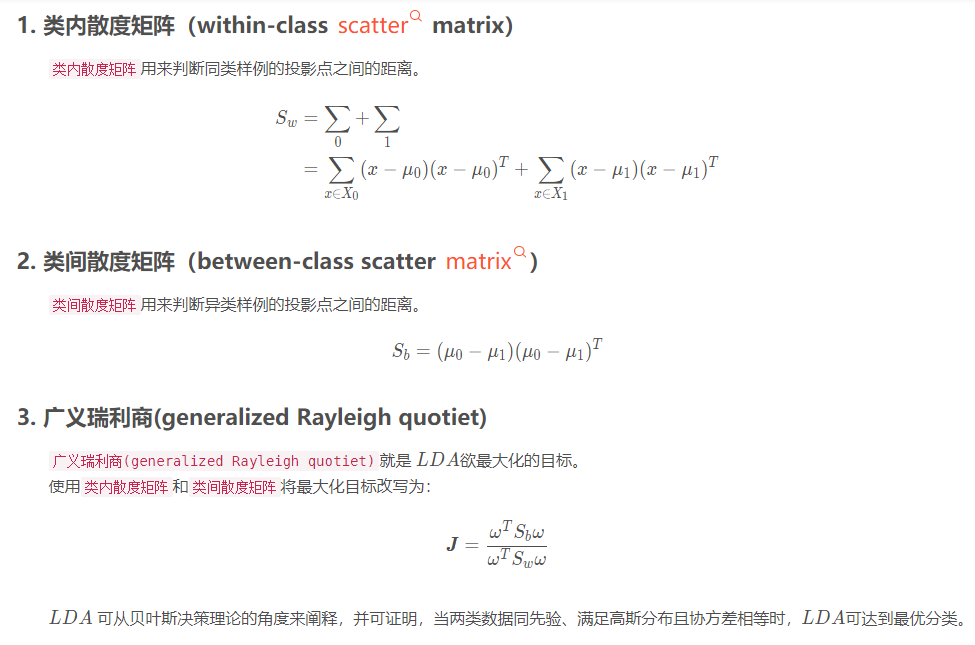




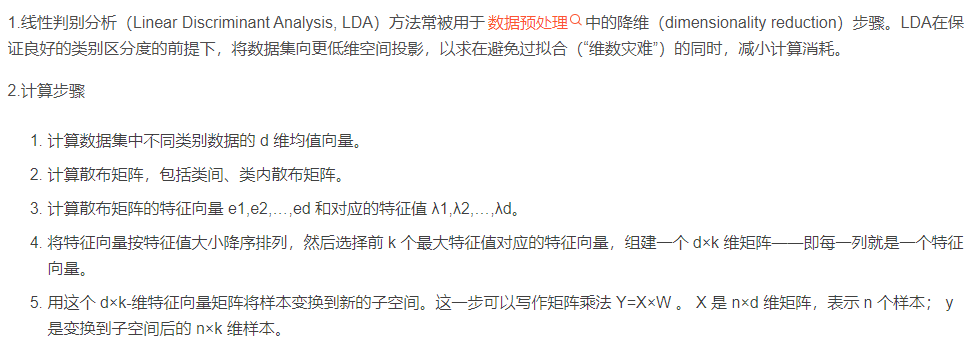


**# 线性判别分析原理**

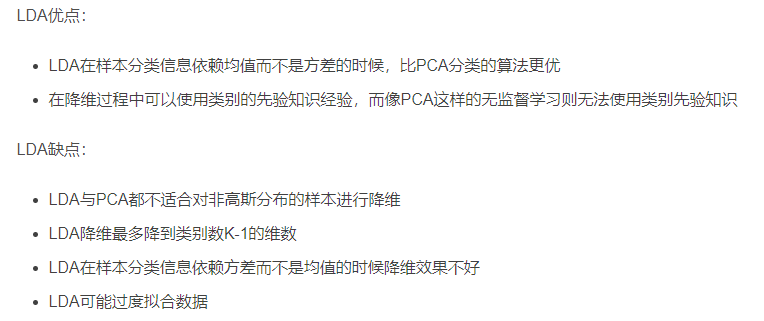




**# LDA算法计算步骤**



**# LDA总结**



1. **奇异值分解svd**