Mean = sum()/count()

Mode: the number that occurs the highest number of times

Median: 中位数

[175, 183, 190, 193, 195, 198, 198, 203, 208, 210, 216, 228]

First = (190 + 193)/2 = 191.5

Third = (208 + 210)/2 = 209

inter-quartile = Third – First = 209 – 191.5 = 17.5

z-score normalization

sample variance

sample standard deviation

min-max normalization

population variance

population standard deviation

Principal Component Analysis

First and second principle components

algebraic measure

holistic measure

Data Cube Concepts

Data Cube Computation

Schema

OLAP operation