

Takes the distance between points into

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Fails when variables have different scales



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Relative Distance between points changes



Takes the distance between points into

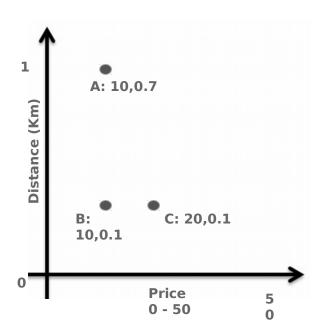
account

Fails when variables have different scales

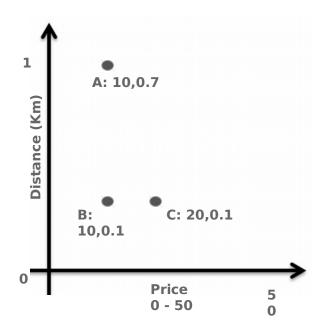
Relative Distance between points changes

Leads to Ambiguous interpretation



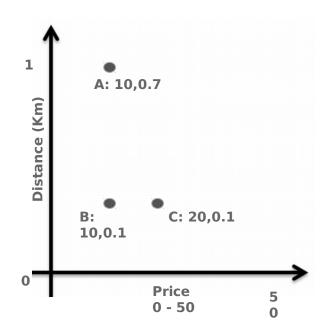






BA = 0.6 units BC = 10 units

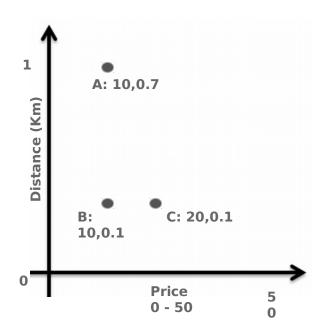




BA = 0.6 units BC = 10 units

Solution?



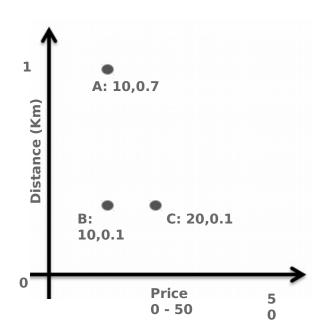


BA = 0.6 units BC = 10 units

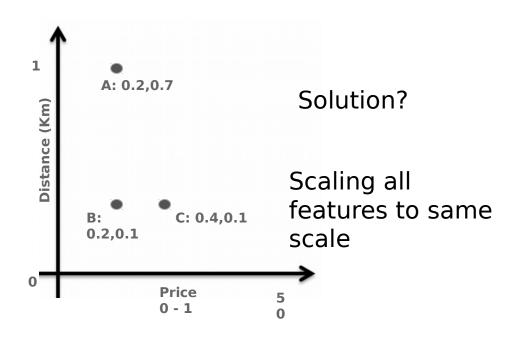
Solution?

Scaling all features to same scale





BA = 0.6 units BC = 10 units



BA = 0.6 units BC = 0.2 units

