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2.1.6.2. <i>Panwad Bunnak, Sotarat Thammabooosadee, and Supaporn Kiattisin, Applying Data Mining Techniques and Extended RFM Model in Customer Loyalty Measurement," J. Adv. Inf. Technol. 238, doi: 10.12720/jait.6.4., pp. 238-242, 2015</i>	13
2.1.6.3. <i>Tikaridha Hardiani, Selo Sulistyo, dan Rudy Hartanto, "Segmentasi Nasabah Tabungan Menggunakan Model RFM (Recency, Frequency, Monetary) dan K-Means Pada Lembaga Keuangan Mikro," SEMANTIK, pp. 463-468, 2015</i>	14
2.1.6.4. <i>John A. McCarty and Manoj Hastak, "Segmentation approaches in data-mining: A comparison of RFM, CHAID, and logistic regression," J.A. McCarty, M. Hastak / Journal of Business Research 60, pp. 656–662, 2007</i>	14
2.1.6.5. <i>Mahmoud Mohammadian and Iman Makhani, "RFM-Based customer segmentation as an elaborative analytical tool for enriching the creation of sales and trade marketing strategies," International Academic Journal of Accounting and Financial Management, Vol. 3, No. 6, pp. 21-35, 2016</i>	15
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