DISCOVERING NEW MARKET SPACES



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New Market Spaces

Which sub-categories? What are the competitive advantages?

SERVICE OFFERING

Market Segmentation

Market Outlook Opportunity Identification

Actionable Insights

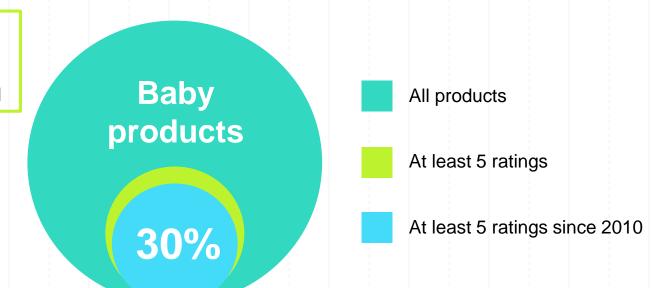


MARKET SEGMENTATION

PREPROCESSING

Assumption:

- Recent ratings reflects future trend



MARKET SEGMENTATION CLUSTERING

- 1. Feature hashing from title and descriptions
- 2. K-means with 2000 clusters

OPPORTUNITY IDENTIFICATION

CLUSTER OF INTEREST

The First Years Two Receiver 49 MHz Monitor Fisher-Price Sounds 'N Lights Monitor NTM-910YIC - Sony Baby Call Nursery Monitor Fisher-Price Sounds 'n Lights Monitor with Dual Receiver Fisher-Price Sounds 'n Lights Monitor Safety 1st Sound View Monitor Baby Einstein Activity Keys Safety 1st High-Def Digital Video Monitor Sony 900 MHz BabyCall Nursery Monitor with Receivers Graco Digital imonitor Mini Baby Monitor in White MobiCam Audio Video Baby Monitoring System Fisher-Price Mom Response Audio Baby Monitor, 900MHz - White/Grey Fisher-Price Long Distance Baby Monitor, 900MHz - White/Grey Fisher-Price Mom Response Digital Audio Monitor with Dual Handsets, 900MHz - White/Grey Summer Infant SecureSleep Baby Monitor The Happiest Baby on the Block DVD + CD COMBO By Dr. Harvey Karp The New Way to Calm Crying, and Baby Heartbeat Bear - Recordable stuffed 8" teddy bear Safety 1st Comfort Zone Digital Baby Monitor, White Bambino Wireless Internet Baby Monitor w/iPhone, Android, and Web Viewing (Windows PC required) Fisher-Price Surround Lights & Dounds Monitor Fisher-Price Time for Sleep Monitor Fisher-Price Talk to Baby Digital Monitor, White/Blue Fisher-Price Take Along Cam Video Monitor, Grey/White Fisher-Price Surround Lights & Dounds Monitor with dual receivers Fisher-Price Time for Sleep Monitor with dual receivers Fisher-Price Talk To Baby Digital Monitor with dual receivers Munchkin Disco Tub Lights, Colors May Vary Graco UltraClear Analog Baby Monitor Motorola Digital Audio Baby Monitor with Room temperature Thermometer Motorola Digital Audio Baby Monitor Safety 1st Baby's 1st 3-in-1 Thermometer Safety 1st Crystal Clear Audio Monitor, White BecoThings - BecoPotty in Natural Chicco Lil Piano Splash Walker Motorola Blink1 Wi-Fi Video Camera for Remote Baby Monitoring, Black Munchkin Baby Food Pouch Organizer The First Years Crisp and Clear Audio Monitor Motorola Digital Audio Baby Monitor Safety 1st DECT Wee Voice High Definition 1.9 Ghz Digital Audio Monitor Safety First Secure Lights Audio Monitor Stork Craft Beatrice 6 Drawer Dresser, Cherry

ACTIONABLE INSIGHTS

TEXT ANALYSIS





Assumption:

High helpfulness % → meaningful Good rating → good reviews

PRODUCTIONIZATION LIMITATIONS

- Clusters tend to include products of same brand
- Model requires informative title and descriptions

PRODUCTIONIZATION

FUTURE IMPROVEMENTS

- Clustering using Product Images
- Trend Analysis
- Advanced Word Processing (Stemming & Lemmatizers)

CITATIONS

- R. He, J. McAuley. Modeling the visual evolution of fashion trends with one-class collaborative filtering. WWW, 2016
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- WordArt (2017). Word Art Word Art Creator. [online] Wordart.com. Available at: https://wordart.com/ [Accessed 10 Sep. 2017].

