FashionBrain
Research and Technology
CT4 Scalable Methods
Named Entity Linking/Recognition
Stacked Deep Learning
Beuth

CT2 Data Management
Database Infrastructure
Time Series Analysis
Machine Learning
MDBS

CT1 Semantic Integration
Fashion Taxonomy
Named Entity Linking/Recognition
UNIFR

CT3 Crowdsourcing
Training Data
Quality Control/Enrichment
Social Media Analysis
USFD

CT5 NLP + Image
Textual Product Search
NLP + Deep Learning
Transfer Learning
Zalando

CT6 Image Recognition
Image Annotation/Classification
Quality Control/Enrichment
Data Normalization
Fashwell

CT7 Trends Prediction
Social Media Analysis
Time Series Analysis
UNIFR

Use Case 1 - Make Images Searchable
Use Case 2 - Fashion Trends Prediction

Fashion Data (Image, Text, OEM, User Feedback)
Use case - Photo-based product search
Use case
Shop the look

• Link images to products
• Recommend relevant products
• Deep learning techniques
• Crowdsourcing
• Heterogeneous sources
• Semantic Integration
• Social media analysis
• Time series analysis
• Data management
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Use case - Make Images Searchable by Text

“I need a hip shirt with short sleeves.”
Use case

Textual Search

- Heterogeneous data
- Multiple languages
- Deep learning techniques
- Crowdsourcing
- In-database implementation
Use case

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