



序列推荐模型

Aa Name	≡ 简称	≡ 会议	≡ 作者	≡ 分类	≡ 数据集	≡ 开源代码
序列推荐论文调研总结						
优化网络结构						
Sequential Recommendation with Self-Attentive Multi-Adversarial Network	MFGAN	SIGIR 2020	Ruiyang Ren/Ji-Rong Wen: 人民大学	GAN 网络结构	1. MovieLens-1M 2. Yahoo! music 3. Steam	
The World is Binary: Contrastive Learning for Denoising Next Basket Recommendation		SIGIR 2021	Yuqi Qin/Pengfei Wang- 北京邮电大学	denoise	1. TaFeng 2. ValuedShopper 3. Dunnhumby 4. Instacart	
Sparse-Interest Network for Sequential Recommendation	SINE	WSDM 2021	阿里巴巴- Jianwei Zhang	多兴趣	1. MovieLens 2. Amazon 3. Taobao	
S3-Rec: Self-Supervised Learning for Sequential Recommendation with Mutual Information Maximization	S^3-Rec	CIKM 2020	Kun Zhou/Ji Rong Wen- 人民大学 Zhongyuan Wang- 美团	side information 自监督	1. Meituan 2. Amazon beauty, sports and toys 3. yelp 4. lastFM	https://github.com/RUCAIBox/CIKM2020-S3Rec
CauseRec: Counterfactual User Sequence Synthesis for Sequential Recommendation	CauseRec	SIGIR 2021	Shengyu Zhang/ Fei Wu- 浙江大学	对比学习	1. Amazon Books. 2. Yelp2018 3. Gowalla	
Counterfactual Data-Augmented Sequential Recommendation	CASR	SIGIR 2021	Zhenlei Wang/文继荣-人民大学	数据增强		

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Top-N Recommendation with Counterfactual User Preference Simulation		CIKM 2021	伦敦大学和华为诺亚方舟实验室;	数据增强	1. Mind	
Counterfactual Reward Modification for Streaming Recommendation with Delayed Feedback		SIGIR 2021				
StackRec: Efficient Training of Very Deep Sequential Recommender Models by Iterative Stacking	StackRec	SIGIR 2021	Jiachun Wang/ Fajie Yuan东南大学与西湖大学	网络结构	1. ML20 2. Kuaibao 3. ColdRec	https://github.com/wangjiachun0426/Stack
Optimizing Dense Retrieval Model Training with Hard Negatives		SIGIR 2021		优化负样本		
Learning Recommender Systems with Implicit Feedback via Soft Target Enhancement		SIGIR 2021	1. School of Data Science, University of Science and Technology of China: MIng Yue Cheng; 2. 西湖大学: Fajie Yuan 3. JD: Shenyang Ge	多任务	1. MovieLens 2. Last.FM	
Contrastive Learning for Sequential Recommendation	CL4SRec	SIGIR 2021	1. Peking University: Shiwen Wu 2. Alibaba Group: Fei Sun, Zhaoyang Liu	对比学习	1. Amazon Beauty 2. Amazon Sports 3. Yelp 4. ML-1M	
U-BERT: Pre-training User Representations for Improved Recommendation	U-BERT	AAAI 2021	1. Tencent Medical AI Lab—Zhaopeng Qiu, Wei Fan 2. Peking University—Jingyue Gao	side information user侧	1. Amazon product review datasets: Office, Video, Music, Toys and Kindle 2. Yelp challenge dataset	

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Improving Transformer-based Sequential Recommenders through Preference Editing	待阅读	TIS 2021	1. Shandong University ——JUN MA/MUYANG MA 2. WeChat—— HUASHENG LIANG	多任务 网络结构	1. Amazon Beauty, Sports, Toys 2. MovieLens(ML-100k) 3. Yelp	
Self-supervised Learning for Large-scale Item Recommendations		SIGIR 2020				
Parameter-efficient transfer from sequential behaviors for user modeling and recommendation			1. Tencent - Fajie Yuan 2. 中国科技大学 - Xiangnan He	效率 网络结构	1. ColdRec-1 dataset 2. ColdRec-2 dataset 3. GenEst dataset 4. AgeEst dataset 5. LifeEst dataset	
Contrastive learning for debiased candidate generation in large-scale recommender systems.	看不懂的一篇paper	KDD 2021	1. Alibaba group达摩院: Chang Zhou	对比学习		
Disentangled self-Supervision in sequential recommenders.	待阅读	KDD 2020	1. 清华大学- Jianxin Ma 2. 阿里巴巴- Chang Zhou	网络结构 自监督	1. Amazon Beauty 2. Steam 3. MovieLens-1M 4. MovieLens-20M	
Representation learning with contrastive predictive coding	待阅读	2018				
Self-supervised hypergraph convolutional networks for session-based recommendation				自监督		

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Self-supervised Graph Learning for Recommendation			中科大- xiang wang和 xiangnan he	图模型 自监督	1. Yelp2018 2. Amazon-Book 3. Alibaba-iFashion	
Adversarial and Contrastive Variational Autoencoder for Sequential Recommendation	ACVAE	WWW 2021	上交-Zhe Xie/Yue Ding	VAE 多任务 对比学习 网络结构	1. MovieLens Latest 2. MovieLens 1m 3. Movie Lens 10m 4. Yelp	https://github.com/ACVAE/ACVAE-PyTorch
Socially-Aware Self-Supervised Tri-Training for Recommendation		KDD 2021	The University of Queensland - Junliang Yu	GAN 对比学习	1. Last.fm 2. Douban-Book 3. Yelp	https://github.com/Coder-Yu/QRec
Modeling Sequences as Distributions with Uncertainty for Sequential Recommendation	DT4SR	CIKM 2021	University of Illinois at Chicago - Ziwei Fan, Zhiwei Liu	uncertainty 网络结构	1. Toys of Amazon 2. Beauty of Amazon 3. Games of Amazon	https://github.com/DyGRec/DT4SR
Exploring Periodicity and Interactivity in Multi-Interest Framework for Sequential Recommendation			Chinese Academy of Sciences - Gaode Chen/Ji Xiang	多兴趣	1. Books category of Amazon 2. Taobao	
SELFCE: A Simple Framework for Self-supervised Collaborative Filtering	SELFCE		Nanyang Technological University - Xin Zhou	自监督	1. MovieLens-1M 2. MOOC 3. Amazon-Video-Games	https://github.com/enoche/SelfCE
Lighter and Better: Low-Rank Decomposed Self-Attention Networks for Next-Item Recommendation						
MEANTIME: Mixture of Attention Mechanisms with Multi-temporal Embeddings for Sequential Recommendation	MEANTIME	SIGIR 2020	Seoul National University- SUNG MIN CHO	side information 时间戳		
Hierarchical Gating Networks for Sequential Recommendation		KDD 2019		网络结构		

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DynamicRec: A Dynamic Convolutional Network for Next Item Recommendation		CIKM 2020	UC San Diego - Md Mehrab Tanjim	网络结构	1. YooChoose 2. LastFM 3. Diginetica 4. NowPlaying	
Future-Aware Diverse Trends Framework for Recommendation		WWW 2021	腾讯/浙江大学	多兴趣		
Controllable Multi-Interest Framework for Recommendation		KDD 2020		多兴趣		
Sequential Variational Autoencoders for Collaborative Filtering		WWW 2021	Duke University, University of Science and Technology of China- Yongji Wu; Alibaba Group - Lu Yin	VAE 网络结构		
Linear-Time Self Attention with Codeword Histogram for Efficient Recommendation				效率 网络结构		
RetaGNN: Relational Temporal Attentive Graph Neural Networks for Holistic Sequential Recommendation		WWW 2021		图模型 时间戳		
Memory Augmented Graph Neural Networks for Sequential Recommendation		AAAI 2020		网络结构 长短期建模	1. MovieLens-20M 2. Amazon-Books 3. Amazon-CDs 4. Goodreads-Children 5. Goodreads-Comics	
Graph Enhanced Representation Learning for News Recommendation		WWW 2020		协同关系		

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Improving Sequential Recommendation Consistency with Self-Supervised Imitation				自监督 蒸馏	1. "Beauty", 2. "Toys and Games", 3. "Sports and Outdoors" 4. "Musical Instruments"	
Entangled Bidirectional Encoder to Auto-regressive Decoder for Sequential Recommendation		SIGIR 2021	Seoul National University, Korea	网络结构	1.	
Future Data Helps Training: Modeling Future Contexts for Session-based Recommendation		WWW 2020	Tencent - Fajie Yuan	futureData 自监督	1. ML-latest 2. TW10	
ICAI-SR: Item Categorical Attribute Integrated Sequential Recommendation		SIGIR 2021	ICT-CAS, CNCERT - Xu Yuan	item侧 side information	1. ML 100K 2. Beauty 3. Sports	
Category-aware Collaborative Sequential Recommendation		SIGIR 2021		item侧 side information	1. Taobao 2. BeerAdvocate	
Feature-level Deeper Self-Attention Network for Sequential Recommendation		ijcai 2019		item侧 side information	1. Amazon - Toys and Games 2. Tmall	
Sequential Modeling with Multiple Attributes for Watchlist Recommendation in E-Commerce		WSDM 2021		item侧 side information		
Modeling Multi-factor and Multi-faceted Preferences over Sequential Networks for Next Item Recommendation				item侧 side information		

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UPRec: User-Aware Pre-training for Recommender Systems				side information user侧 多任务		
Attentive Sequential Models of Latent Intent for Next Item Recommendation		www 2020		item侧 side information		
A Contextualized Temporal Attention Mechanism for Sequential Recommendation		www 2020		side information 时间戳	1. Xing dataset 2. UserBehavior dataset	
Intention Modeling from Ordered and Unordered Facets for Sequential Recommendation		www 2020	1. 北京科技大学 - Xueliang Guo	网络结构		
Untitled						
Sequential Recommendation with Dual Side Neighbor-based Collaborative Relation Modeling		WSDM 2020	1. 上海交通大学 - Weinan Zhang	协同关系	1. CCMR 2. Taobao 3. Tmall	
Dual Sequential Prediction Models Linking Sequential Recommendation and Information Dissemination				协同关系		
DGCN: Diversified Recommendation with Graph Convolutional Networks			1.清华大学 Yu Zheng	多兴趣 类别信息	1. Taobao 2. BeiBei 3. MSD	

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Lightweight Self-Attentive Sequential Recommendation		CIKM 2021	1. The University of Queensland- Yang Li	效率 网络结构		
Contrastive Self-supervised Sequential Recommendation with Robust Augmentation				对比学习		
Position-enhanced and Time-aware Graph Convolutional Network for Sequential Recommendations			1. 北科大和武汉大学	协同关系 时间戳		https://github.com/drruangliwei/PTGCN
Continuous-Time Sequential Recommendation with Temporal Graph Collaborative Transformer		CIKM 2021	University of Illinois at Chicago	协同关系 时间戳		
Sequential Recommendation with Graph Neural Networks				协同关系 图模型	1. Taobao 2. Kuaishou	
Augmenting Sequential Recommendation with Pseudo-Prior Items via Reversely Pre-training Transformer		SIGIR 2021		数据增强	1. Amazon 5-core beauty, Phones	
A Case Study on Sampling Strategies for Evaluating Neural Sequential Item Recommendation Models				采样策略		

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<u>SIFN: A Sentiment-aware Interactive Fusion Network for Review-based Item Recommendation</u>		CIKM 2021		review-based		
<u>Self-Supervised Hypergraph Convolutional Networks for Session-based Recommendation</u>		aaai 2021		自监督		https://github.com/xiaxin1998/DHCN
<u>Time Interval Aware Self-Attention for Sequential Recommendation</u>		WSDM 2020		side information 时间戳		https://github.com/JiachengLi1995/TiSASf
<u>MOI-Mixer: Improving MLP-Mixer with Multi Order Interactions in Sequential Recommendation</u>				效率 网络结构		
<u>Maximizing Cumulative User Engagement in Sequential Recommendation: An Online Optimization Perspective</u>		KDD 2021				
<u>Motif-aware Sequential Recommendation</u>	参考, 我的想法和此论文非常相似;	SIGIR 2021		I2IGraph 协同关系		
<u>Memory Augmented Multi-Instance Contrastive Predictive Coding for Sequential Recommendation</u>		ICDM 2021(B类)				

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<u>Sequential Recommendation on Dynamic Heterogeneous Information Network</u>		ICDE 2021 (A类)		side information 多类型		
<u>Reinforced KGs reasoning for explainable sequential recommendation</u>		WWW 2021				
<u>MP4Rec: Explainable and Accurate Top-N Recommendations in Heterogeneous Information Networks</u>						
<u>Sequential Recommendation in Online Games with Multiple Sequences, Tasks and User Levels</u>		SSTD 2021		side information userGroup 多类型		
<u>Untitled</u>						
<u>VAE模型相关</u>	为什么要将 VAE模型应用到推荐系统, 有什么优势吗?					
<u>Sequential variational autoencoders for collaborative filtering.</u>	SVAE					
<u>Coupled Variational Recurrent Collaborative Filtering</u>						
<u>Learning disentangled representations for recommendation.</u>	Macrid VAE	NIPS 2019				
<u>RecVAE: A New Variational Autoencoder for Top-N Recommendations with Implicit Feedback</u>	RecVAE	WWW_2020	Samsung-PDMI Joint AI Center(俄罗斯)- Ilya Shenbin		1. MovieLens-20M dataset 2. Netflix Prize Dataset 3. Million Songs Dataset	https://github.com/ilya-shenbin/RecVAE

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Variational Autoencoders for Collaborative Filtering						
Contrastive Learning for Representation Degeneration Problem in Sequential Recommendation		WSDM_2022			1. 发现问题在序列推荐模型中，学习rare item表征是不充分，往往聚集在同一空间 (anisotropic space);	
Extracting Attentive Social Temporal Excitation for Sequential Recommendation		WSMD_2021	shangjiao: wangdong, dingyue	社交信息		
Untitled						
Contrastive Curriculum Learning for Sequential User Behavior Modeling via Data Augmentation		CIKM2021		对比学习		
Untitled						
An Effective Consistency Constraint for Sequential Recommendation				对比学习		
Untitled						
CSSR: A Context-Aware Sequential Software Service Recommendation Model		ICSOC 2021 CCF B类文章;				
Sequential Recommendation via Stochastic Self-Attention	STOSA	WWW 2022	University of Illinois at Chicago - Ziwei Fan, Zhiwei Liu	uncertainty	建模动态不确定性并捕获协作传递性。	
Learning Dual Dynamic Representations on Time-Sliced User-Item Interaction Graphs for Sequential Recommendation		CIKM 2021				
Lightweight Self-Attentive Sequential Recommendation		CIKM 2021				

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<u>What is Next when Sequential Prediction Meets Implicitly Hard Interaction?</u>		CIKM 2021				
<u>CBML: A Cluster-based Meta-learning Model for Session-based Recommendation</u>		CIKM 2021				
<u>Self-Supervised Graph Co-Training for Session-based Recommendation</u>		CIKM 2021				