

Week 6 Quiz

10 试题

1
point

1.

When using the learning to rank framework for combining multiple features into a ranking function, training data composed of queries and relevance judgments is needed to learn the model parameters.

☒ True

☐ False

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2.

Information filtering systems are more suitable to help users satisfy long-term information needs than short-term ad hoc information needs.

☒ True

☐ False

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3.

In content-based filtering, an item is recommended to a user based on whether other “similar” users like the item or not.



☐ True

☒ False

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4.

In recommendation systems, one uses Beta-Gamma threshold learning for trade-off between exploration and exploitation:

$\theta = \alpha * \theta_{zero} + (1 - \alpha) * \theta_{optimal}$. Which of the following is true?

☒ α should be larger for new users

☐ α should be smaller for new users

☐ α should be the same for all users no matter if they are new

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5.

Content-based filtering and collaborative filtering can be combined in a recommender system.

☐ False

☒ True

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6.

Which of the following is not an advantage of Learning to Rank?

☐ Directly optimize retrieval measures

☒ Is much faster than BM25 or language model when training

☐ Combining multiple sources of features

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7.

Recommendation is one type of Pull mode of information access.

☒ False

☐ True

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8.

In Netflix, if a user has watched a lot of thriller movies, then it recommends "Inception" and "The Silence of the Lambs" to the user. What is this an example of?

☒ This is content-based filtering.

☐ This is collaborative filtering.

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9.

In Spotify, if a user has indicated himself/herself as youth, then Spotify recommends songs that are most listened by users under 20 years old. What is this an example of?

☒ This is collaborative filtering.

☐ This is content-based filtering.

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10。

When adding social network information into recommendation systems, such as friends' info and friends' liked items, this can be used to help:

- ☒ Collaborative filtering
- ☐ Content-based filtering



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