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ranking functions' formulas "all-in-one" snapshots

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Dmitry Aizenshtat [Signature Track] · 2 months ago ⚭   ★ APPROVED

I personally prefer as much as more "visualization" in learning materials. In this course the lectures' slides are very sharp and clear, and I really like this style! But impressed by forum questions like "what is b? and what is M?" I somehow started to play with ranking formulas and didn't stop in right time..

I do not really know what is right title for such illustration, but at least one of us (except of me :)) liked the format, so I'll publish these pictures here, may be it will be useful.

You are welcome to comment if I'm wrong with something, or if I'm right.. or if you know the bear weight, it is acceptable reason to comment as well! :)

P.S. 28 Mar 2015 Following Peter Hozák suggestion, I changed the posts such the large size images presented instead of smaller previews originally used.

P.S.S. 1 Apr 2015 Thanks for all comments, it is really good feeling to know that the diagrams are useful for many of us.

P.S.S.S. 9 Apr 2015 **Thanks to Julie Abraham for sharing these awesome reference sheets for weeks 2 & 3!!**

⬆ **15** ⬇ · flag

Dmitry Aizenshtat [Signature Track] · 2 months ago ⚭

📄 Pivoted_length_normalization_ranking_function_illustration

⬆ **81** ⬇ · flag

> **Marc Ludovici** · a month ago ⚭
>
> cool thanks, hope to see more of them in the later courses!
>
> ⬆ 0 ⬇ · flag

> **EL SARA** · a month ago ⚭
>
> Nice work thanks :)

⬆ 0 ⬇ · flag

Sachin Yadav · a month ago 🔗

thanks :)

⬆ 0 ⬇ · flag

Basil Rormose [Signature Track] · a month ago 🔗

Realy excellent. Thanks for sharing!

⬆ 0 ⬇ · flag

🗑A post was deleted

Andrew Drozdov [Signature Track] · a month ago 🔗

any tips for making a drawing similar to this? did you use something like Omnigraffle?

⬆ 0 ⬇ · flag

Dmitry Aizenshtat [Signature Track] · a month ago 🔗

Andrew,

it was drawn in Microsoft Excel. To be honest, it is relatively simple task, once you have the idea.

- The original formula itself and the graphs are captured by Windows "Snipping Tool" from lectures' notes PDF, then cropped in Windows "Paint" and inserted to Excel via Insert → Pictures,
- Backgrounds of the formula parts are Excel shapes w/o border lines (Insert → Shapes → Rectangles),
- Arrows and lines are from Excel shapes as well (Insert → Shapes → Lines),
- Explanations are Excel text boxes (Insert → Text Box),
- Finally one need play a little with Z-order of all of this objects (RMB on the object and choose "Send Backward" or "Bring Forward")

Sorry if it sounds obvious, but you asked for tips :)

⬆ 0 ⬇ · flag

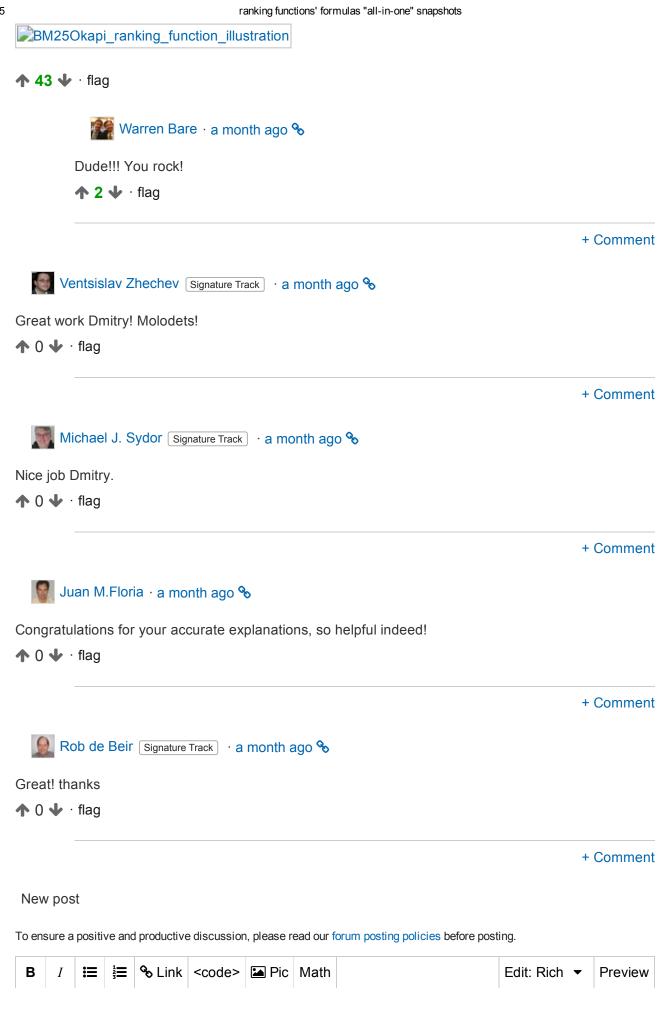**Ahmed Mustafa Muhammad Almaazon** [Signature Track] · a month ago 🔗

Thank you

⬆ 0 ⬇ · flag

+ Comment

Dmitry Aizenshtat [Signature Track] · 2 months ago 🔗

BM25Okapi_ranking_function_illustration

⬆ **43** ⬇ · flag

Warren Bare · a month ago 🔗

Dude!!! You rock!

⬆ **2** ⬇ · flag

+ Comment

Ventsislav Zhechev [Signature Track] · a month ago 🔗

Great work Dmitry! Molodets!

⬆ **0** ⬇ · flag

+ Comment

Michael J. Sydor [Signature Track] · a month ago 🔗

Nice job Dmitry.

⬆ **0** ⬇ · flag

+ Comment

Juan M.Floria · a month ago 🔗

Congratulations for your accurate explanations, so helpful indeed!

⬆ **0** ⬇ · flag

+ Comment

Rob de Beir [Signature Track] · a month ago 🔗

Great! thanks

⬆ **0** ⬇ · flag

+ Comment

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