



Six Thinking Hats

Evolving Landscape and Future Statistical Challenges







ModernStats World Workshop 2022
27-29 June, Belgrade Serbia



Motivation

- Identify statistical challenges, issues together that we face today or tomorrow!
- This challenge should ideally be something that you do not have guidance for / you are uncertain how to do / where guidance would be useful to have.
- We do not want to simply list them but examine them a bit more from different perspectives (to have a better understanding)
→ These ideas might lead to future work or focus areas during revision of the models!

The „methodology”

Hat	Role	Focus
	Logic	The facts
	Optimism	The value and the benefits
	Devil's advocate	The difficulties and dangers
	Emotion	Feelings and intuitions
	Creativity	Possibilities and new ideas
	Management	Ensuring the rules of the hats are observed

Source: <https://www.gile-edu.org/wp-content/uploads/2021/06/6TH-table-1024x644.png>

Technical aspects #1

- You can either complete this:
 - on paper (package available in the room – just grab one and complete it with a pen)
 - online (same sheets are available in Word format among workshop documents:
<https://statswiki.unece.org/display/MWW2/ModernStats+World+Workshop+2022>)
- You can do this individually or join someone and work on this together!

Technical aspects #2

- You will have exactly 2 minutes for each „hat round”.
- You do not need to overthink the answers, just write down what comes to your mind!

Technical aspects #3

- I will collect your outputs at the end of the exercise:
 - If you complete this in paper: please give the completed papers to me before the lunch break!

or

- If you complete this online: please send the completed Word file to me in e-mail to zoltan.vereczkei@ksh.hu



Source: <https://www.drakelolley.com/wp-content/uploads/2020/04/Six-Thinking-Hats-by-Edward-de-Bono-1920x1201.jpg>

White hat: The facts, just the facts!

1. **Name a statistical challenge** for the present or the future that you think are very relevant for your work / your institution / our statistical community! Describe this challenge in 1 or 2 sentences!
 2. Imagine that there is a team working on this problem. **What do you need from them as the output** of their work?
- If you have the time, you can list more than just 1 challenge!

Yellow hat: be optimistic!

- Describe what is the value added and the benefits to you / your organisation if the problem is solved!
- What is the positive added value for statistics as a whole?

Black hat: time to be pessimistic!

- Where could things go wrong? Why could it not work?
- When would the output be useless to you?
- What are the worst-case scenarios? Take a defensive approach, imagine any potentially negative outcomes, see what might not work!

Red hat: be a bit emotional!

- How do you feel about the problem and chances of getting useful guidance in the end?
- What makes you feel that way about the problem and the possible solution?

Green hat: possibilities and new ideas!

- Do you think solving the problem would open up new challenges or result in new ideas?
- Are there more potential in solving the problem than just simply finding a solution?

Blue hat: reflections!

- What aspect was the most difficult for you to assess? (which hat was the most difficult to wear?) Why?
- What aspect was the easiest for you to assess? Why?
- Reminder:
 - White: facts
 - Yellow: optimistic parts
 - Black: pessimistic parts
 - Red: emotional connections
 - Green: new ideas, possibilities

Thank you!

Please give the completed papers to me before you leave the room for lunch

or

Send the completed Word files to me:

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Bon appetit!