

Parallels between painting and doing (math) research

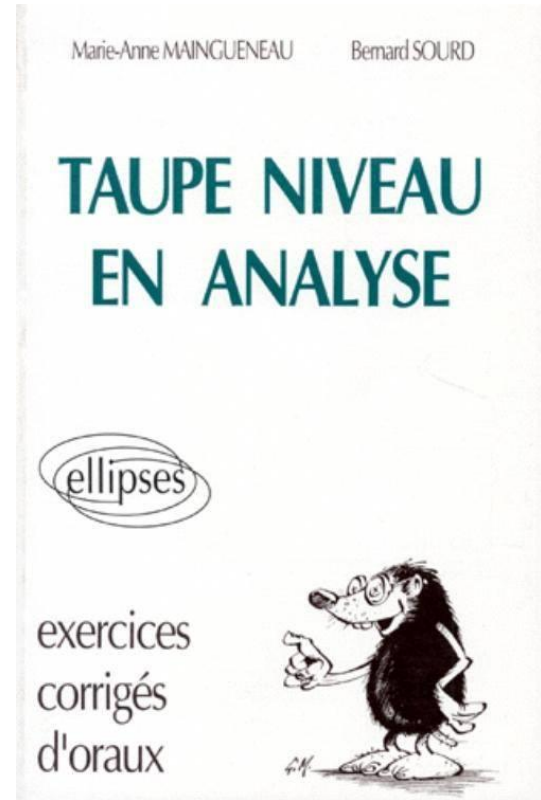
Pierre-Cyril Aubin

Retraite SIERRA/WILLOW, October 2022

Are you an artist?

- People cannot find purpose in what you do
- You try to be original
- You sign your work
- You have a notion of « beauty »
- You « produce », and there is a process:

Practicing through exercises, and « académie » (nudes)

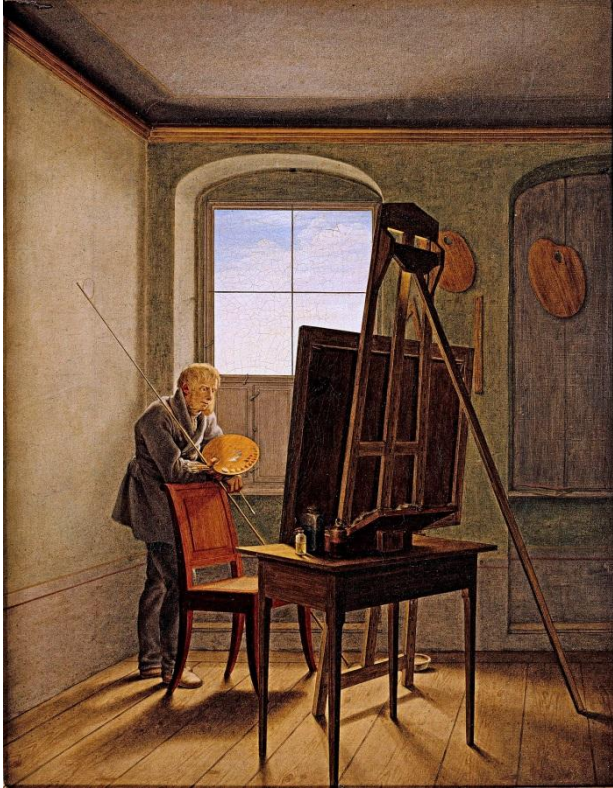


Originality: not repeating yourself

Avoid being the international expert of your master thesis



Material conditions



Truth and beauty: a matter of perception

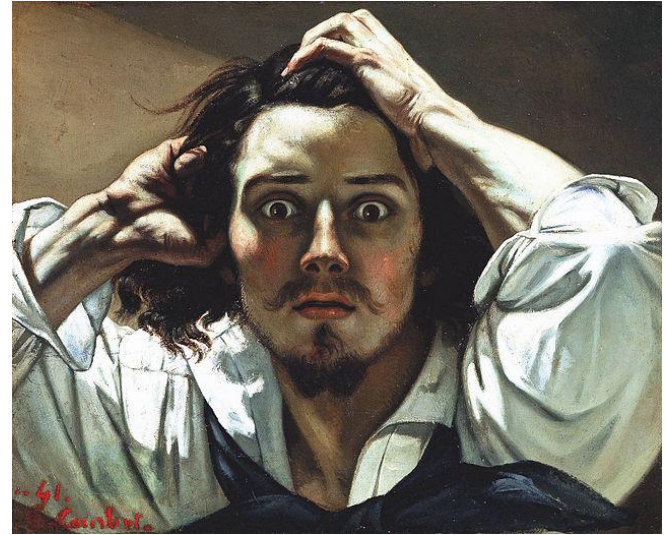
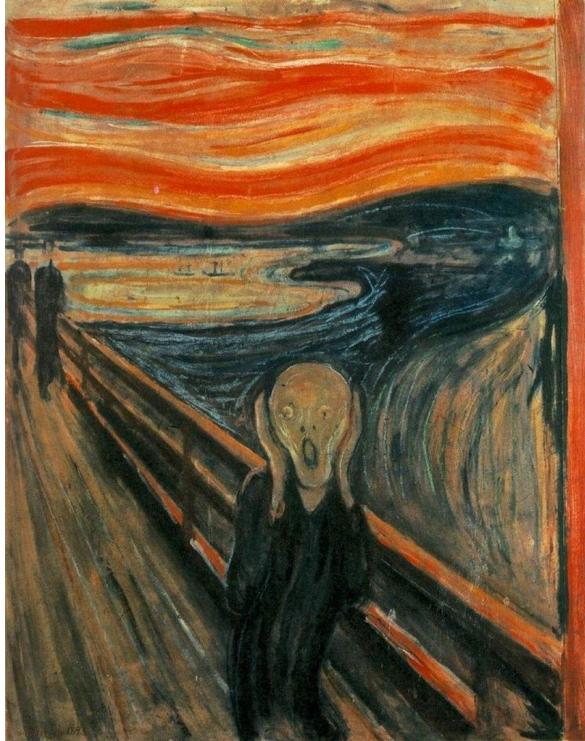


Kernels



Neural networks










Publish or perish



« Vernissage » and galley proofs



Tips for Handling Galley Proofs



Make only critical changes (e.g., author name/data correction)

Update any "in-press" citations





Proofread for language and grammar errors

Avoid moving blocks of text or making extensive content-related revision(s)

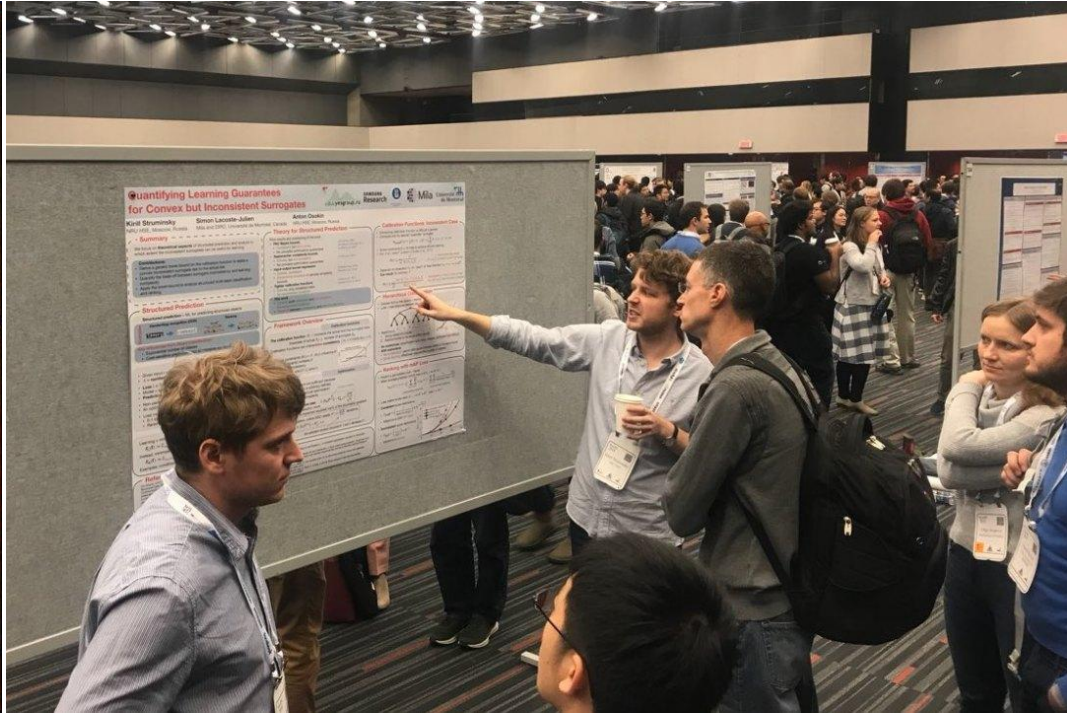
Do not miss the deadline

Refrain from submitting without co-authors' approval

Visit enago.com/academy today to know more about publishing!

 @Enago  enagoacademy  enago.com/academy  enago.com/app

« Salons » and ML conferences



Publication strategies



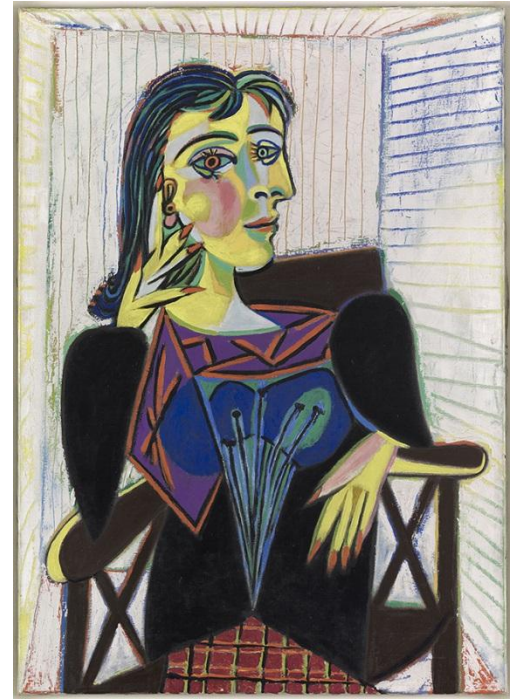
Da Vinci

< 20 paintings



Vermeer

36 paintings



Picasso

13,5k paintings

Publication strategies



Evariste Galois
6 articles



John Von Neumann
150 articles



Yoshua Bengio
1033 articles

DIY: co-signing and mass production

Rubens did over 1500 paintings with various categories:

1. Done himself alone
2. Done partly himself
3. Retouched (Co-signed)

“another artist’s work was by no means seen as an individual contribution to his paintings. To the contrary, the only goal was to create stylistic conformity, namely in the style of the master himself”

“Your Excellency has taken only the originals, with which I am perfectly satisfied. Yet Your Excellency must not think that the others are mere copies, for they are so well retouched by my hand that they are hardly to be distinguished from originals. Nevertheless, they are rated at a much lower price” (Rubens)

From Patricia Schmiedlechner, A Study on the Creative Process and Studio Practice, **Modi Operandi in Rubens’s Workshop**

Copycats: « inspiration » from old masters



« Nothing grows well in the shade of a big tree » Constantin Brancusi

Citations Soulages

<https://www.arte.tv/fr/videos/073080-000-A/pierre-soulages/>

Soulages, différence entre l'artiste et l'artisan "L'artisan sait très bien ce qu'il va faire, et comment y arriver, et bien moi c'est le contraire. Je ne sais pas ce que je vais faire, je sais vaguement comment je vais y arriver parce que je connais des tas de possibilités, mais je ne sais pas vraiment lesquelles je vais employer."

Soulages "ce que je fais m'apprend ce que je cherche" réaction de David Quéré, commentaire sur la recherche incrémentale qui ne prend pas de risque "quelque chose peut sortir de la démarche même, ce qui compte c'est le chemin"