

No college teaches this
but still for important

Freshers are not expected to
have this but it's nice to have.

~~BIGGEST~~ \Rightarrow Helps build record
communication

Skills are useless without \nearrow

Good communication doesn't need to be
expensive. It's best done concisely
and simply.

Many managers don't know technical
and knowing how to work with them
is best for both us & them.

Amazon uses 1 pages & 6 pages
 \hookrightarrow presentations are not their priority
 \hookrightarrow might not be completely informative.

All meetings need a 6 pages from us
first 15 mins are for reading the 6 pages.

next 45 min for discussions & Q&A

PPTs are not self explanatory
↳ needs a person to guide the audience.

for now will focus on 1 pages &
6 pages.

→ That's what Amazon does at.

The document has to serve both
tech & non-tech audience.

↳ hard to create
content for them.

Someone might be great at math
but they still need ML/DS background to
make sense of our content.

WRITTEN → 1 pages or 6 pages
5 min 20-30 min

1 & 6 papers take time to learn but
it works. A², April, 10.

VERBAL → Has too much variance open to
cuffing, language, etc so it's hard
to model and have a framework.

Non-feh people might have basic knowledge
of basic stats.

It's important to be aware that your
audience might be non-feh. No need
to be a nerd and use jargon.

give them proper simple explanation for
every term that they might not know.

↳ give them some reference of how good
your result is (best/worse case, etc)

↳ talk in \$\$\$ when audience is non-feh.
... , 1 t.

- That's what they care about
- make them give a fuck about you & your results, in terms of what they like.
 - connect your metrics to the metrics they care about.
 - give them something they can take to their own manager.
 - Show them plots and diagrams and mindmaps.
If sells.
 - Make sure they're familiar with the plots.
 - "SPEAK ENGLISH" in short.
give plenty examples and analogies.

Key Performance Indicators (KPI)

best case

worse case

average

what's the current best out there.

what you do.

↓
their version
of "metrics"

→ This will make them give a fuck.

Communicate something in a way the information can be passed up the chain

You → Manager → Sr. Manager → Director

→ The easier it is for you to get green lights this way.

→ Give examples of every fucking thing.

any analysis - it resps.

- Have a section called "Observations" or "key Takeaways" → be concise & clear.
TLDR; Have a TLDR
After that we can expand on each obs.
→ Also keep it detailed when audience is tech.

No one cares about code, just results

Amazon has all justifications in appendix.
So, only people who care will read it.

Manager : "Hm. This doesn't seem right."

"Let me get my senior scientist go through this for being on safe side."

These are the moments where you need
....., // / 111 // 15 +

those extra technical factors / implications.

→ Data Science is like the wild west.

Anything that works, works.

→ There's no fixed way to do something.

If depends on the application. There's no checklist.

A/B Tests are useful for checking business/monetary impact. Covered in other five sessions.

Visuals

Examples

Analogies → have to be careful with these.

Speak their language/jargon.

Explaining KPI

Have to justify why this specific KPI was chosen.

Have one ML KPI
one business KPI.

best case → both KPIs are the same metric

for them ML KPIs are gibberish, don't give a fuck about nearly numbers.

→ Don't throw revenue predictions in the dark, have some analysis to back them up.

ML Models:

Show results in tables.

	KNN	LR	SVM	RF	DNN
1.001	1	1	1	1	1

	KPI 1			
KPI 2	m	m	m	m
KPI 3	m	m	m	m

→ best performer.

↳ This is what they care about.

→ If acc. is 98%, show them the 2 failure case. Explain what the fuck went wrong. Show it visually.

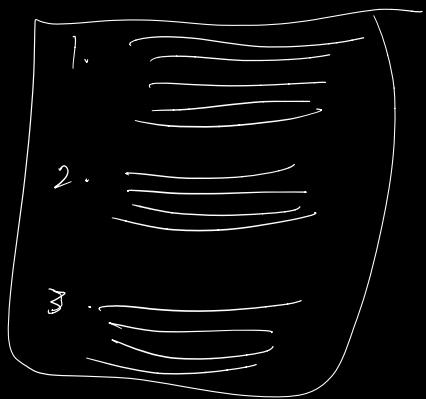
Show why that chair was classified as a proper chair.

Structure of 1 layer.

① Summary of WTF this is about.

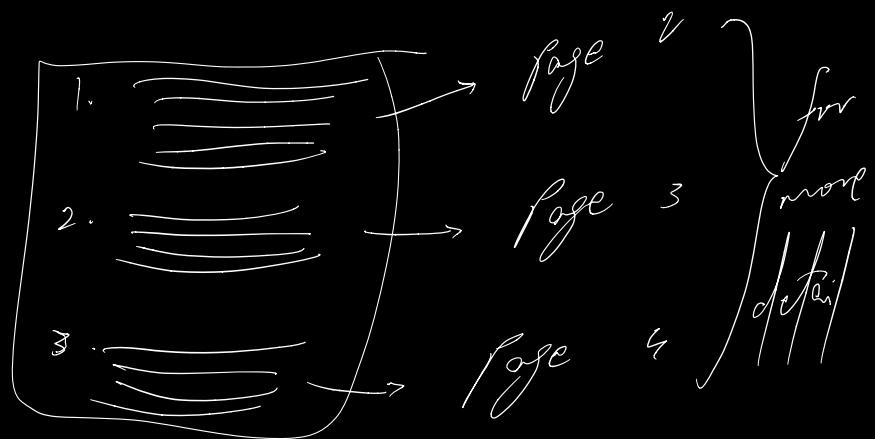
- 1. ——————
- 2. ——————
- 3. ——————

② Justification / Impact. (why give a fuck about summary)



Structure of 6 pages.

Page 1. → Same as 1 page
justification



Everything less than 6 page (including Appendix)

Ideally, → 3 page, no need for 6.

↳ only go to 6 if absolutely necessary.

~~# Q in []~~

→ If working for a client and we fear client will steal secret, hide some info. Only share summary and don't go full throttle. Any intellectual property issues can be prevented.

→ Be aware of the financial impact, that's what the Data Scientist here for! Your task is to make data driven decisions that make the company more money. Be well versed about the financial aspect.

- RF snfs of high-slim data.
 - ↳ Any free based algo.
 - ↳ That's why they fail on NP problems.

"6" paper is just what Amazon uses.
↳ its not gospel. Feel free to make it
3 or 5, be flexible. The general idea
is to not have too much garbage and
be concise.

→ PPTs are bad because they can't have
too much font & we need a person
to drive the show.

→ ML is like applied math