



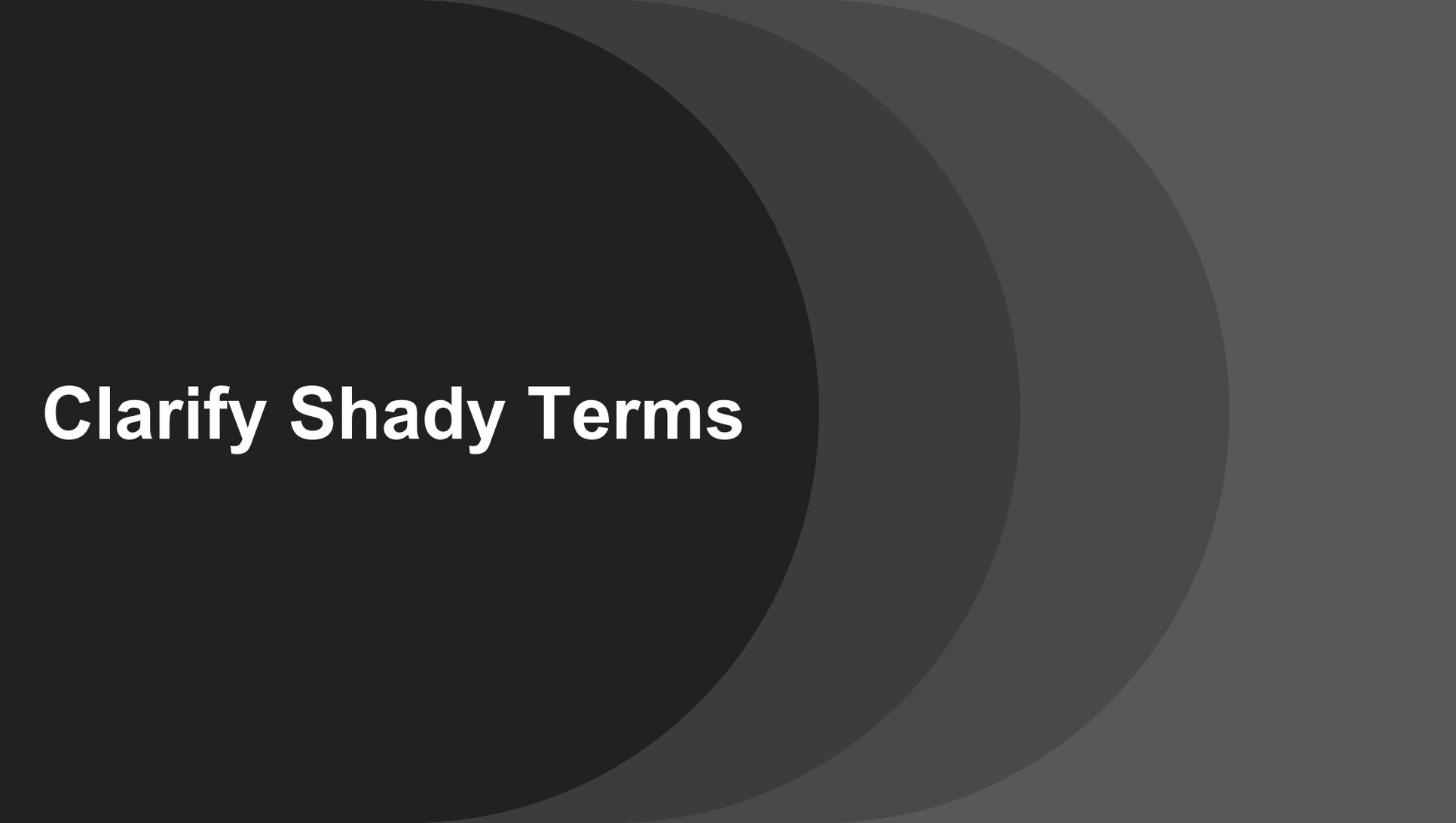
Tips For Statistical Writing

Show Don't Tell



**Have an
Essential
Question**

How can recipes with similar ingredients be grouped together in order to maximize the number of meals made with a minimal amount of ingredients?



Clarify Shady Terms

What is a shady term?

Key words or phrases that have “shades”
of meaning or mean different things in
different situations

How can recipes with similar ingredients be grouped together in order to maximize the number of meals made with a minimal amount of ingredients?

How can **recipes** with **similar ingredients** be **grouped together** in order to maximize the number of meals made with a minimal amount of ingredients?

Ask Questions
about a specific
meaning of
words or
phrases

What makes _____?

What does it mean to _____?

Ask Questions
about a specific
meaning of
words or
phrases

What makes **similarity**?

What does it mean to **grouped together** ?

Outline

1. hook
2. data collection & define fuzzy terms
3. explain string matching briefly
4. explain clustering Hierarchical
highlight the importance of selecting a proper distance metric
5. how to choose # of clusters
6. what clusters do identify
7. what happens when I add new items
8. conclusion

show
don't tell
with
dendrogram

Q include info about statistics & crowdsourcing & a large enough n

include assumptions about analysis

it seems as if significance values ~~are~~ ^{topics} have a

social significance / implication & explanations

**Clarify fuzzy/abstract terms
in the essential question &
use criteria to support your
argument**



JUSTIFICATION

connect evidence to back to argument

**A
D
E
P
T**

A nalogy

D iagram

E xample

Plain Language

T echnical Definition

A nalogy

D iagram

E xample

P lain Language

T echnical Definition

A nalogy

D iagram

E xample

P lain Language

T echnical Definition

A nalogy

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E xample

P lain Language

T echnical Definition

The logo for Vocabulary.com features a stylized white checkmark icon to the left of the text. The text 'Vocabulary.com' is rendered in a large, white, sans-serif font. The background is a solid green color with a subtle gradient and a curved bottom edge.

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learn new words every day

random

Something that's **random** is lacking in order, plan, or purpose. It happens totally by chance, like the *random* picking of lottery numbers or unplanned *random* acts of kindness.

Sometime in the 1980s, teenage slang hijacked the adjective *random* and tried to turn it into a word meaning weird, odd or out of place. As in "Dude! That guy wearing purple spandex at the party was so random!" But don't fall for it. Something that's truly *random* is totally governed by chance and has no specific pattern, like choosing a card at random from a magician's deck.

adj lacking any definite plan or order or purpose; governed by or depending on chance

"a random choice"

"bombs fell at random"

"random movements"

Synonyms: [ergodic](#)

positive recurrent aperiodic state of stochastic systems; tending in probability to a limiting form that is independent of the initial conditions

[haphazard](#), [hit-or-miss](#)

dependent upon or characterized by chance

[stochastic](#)

being or having a random variable

Antonyms: [nonrandom](#)

not random

[show more antonyms...](#)

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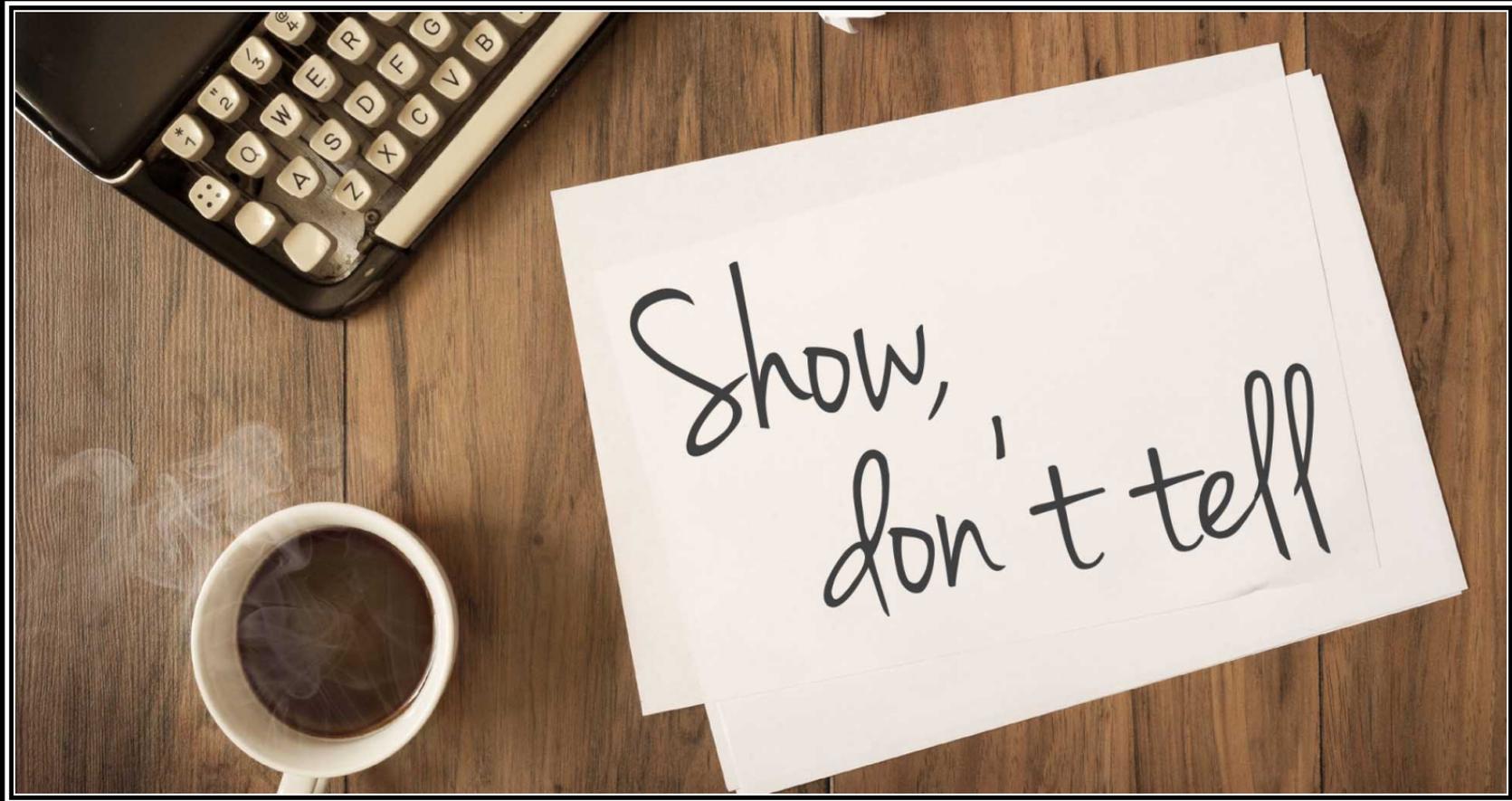
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