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Vocabulary Builder Reference from...

Dan Berkenstock: The world is one big dataset. Now, how to photograph it ... | TED Talk

https://www.ted.com/talks/dan_berkenstock_the_world_is_one_big_dataset_now_how_to_photograph_it

Advanced Words Only

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Session 1: Word List

supercomputer

n. a computer with a high level of computing power and speed, typically used for scientific or engineering computations that require immense amounts of data processing

synonym: high-performance computer, mainframe, giant computer

(1) **supercomputer** performance, (2) **supercomputer** technology

China has developed one of the world's fastest **supercomputers** for its space program.

smuggle

v. to import or export something or someone without paying appropriate customs duties, often illegally

(1) **smuggle** drugs, (2) **smuggle** herself out of a country

He was able to **smuggle** a gun inside the prison.

intrigue

v. to make someone interested, especially by being strange, unusual, or mysterious; to make a secret plan with other people to harm someone

synonym: attract, captivate, charm

(1) **intrigue** him, (2) **intrigue** against his rival

The artist's innovative style of work **intrigues** me.

reconnaissance

n. a preliminary survey or exploration of an area, usually done to gather information or intelligence; a military mission to observe an enemy's activities and gather information

synonym : exploration, survey, examination

(1) aerial **reconnaissance**, (2) do **reconnaissance** work
The **reconnaissance** mission revealed the enemy's position.

grandchild

n. a child of someone's son or daughter

synonym : offspring, descendant, progeny

(1) **grandchild-grandparent** relationship, (2) **grandchild** development

The grandparents take care of their **grandchild** while the parents are at work.

infrequent

adj. occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers

synonym : rare, sporadic, uncommon

(1) **infrequent** showers, (2) **infrequent** meetings

Traveling to remote villages can be difficult due to **infrequent** transportation.

cram

v. to force or try to fit a large amount of information into a short time, especially in preparation for an examination; to force or try to fit a large amount of something into a small space

synonym : stuff, pack, jam

(1) **cram** more circuits into chips, (2) **cram** five people into a car

She had to **cram** for the final exam and stayed up all night studying.

anecdotal

adj. based on personal accounts or stories that may not be verifiable or representative of a larger population; characterized by anecdotes or casual observations rather than scientific data or empirical evidence

synonym : hearsay, informal, unreliable

(1) **anecdotal** evidence, (2) **anecdotal** example

My friend shared an **anecdotal** story about her experience in customer service.

visualize

v. to form a mental image or concept of something; to make something visible

synonym: imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

sparsely

adv. occurring, existing, or situated at wide intervals; in a scattered or thinly populated manner; with a low density or concentration

synonym: rarely, thinly

(1) **sparsely** attended, (2) **sparsely** decorated

The town was **sparsely** populated, with only a few houses scattered around the area.

dataset

n. a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes

synonym: data array, database

(1) **dataset** analysis, (2) publicly available **dataset**

The scientist analyzed the large **dataset** to conclude the experiment.

doe

n. a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

synonym: rabbit, bunny, hare

(1) **doe** rabbit, (2) buck and **doe**

Hunters use a whistle that makes the **doe** sound to lure stags.

jumbo

n. an extremely large or heavy object; an African elephant that was exhibited in a circus in the late 19th century and early 20th century and became widely known as

"Jumbo"

synonym: elephantine, mammoth, giant

(1) **jumbo** jet, (2) **jumbo** shrimp

I need to buy a **jumbo-sized** bag of dog food for my large-breed puppy.

hitchhike

v. to obtain a ride in a passing vehicle by signaling to the driver or waving one's thumb; to travel by getting a free ride in someone else's vehicle

synonym: thumb a ride, bum a ride

(1) **hitchhike** a ride, (2) **hitchhike** across the country

She had to **hitchhike** to the nearest gas station when her car broke down.

unearth

v. to discover or bring to light something that is in the ground or was previously hidden or unknown

synonym: discover, uncover, expose

(1) **unearth** burial mound, (2) **unearth** a mystery

The detective **unearthed** a critical clue that led to the suspect's arrest.

cramped

adj. not having enough space for the people in it; uncomfortably small or restricted

synonym: congested, overcrowded, narrow

(1) feel **cramped**, (2) a **cramped** house

She writes a **cramped** hand.

alto

n. the second-highest vocal range in choral music, typically sung by the second-highest singers in a choir; a type of saxophone

synonym: contralto, countertenor, soprano

(1) **alto** saxophone, (2) an **alto** solo

The **alto** singer had a unique and powerful voice.

dictate

v. to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded

synonym:

read out, prescribe, order

(1) **dictate** a letter to secretary, (2) **dictate** to the associate
The allies **dictated** the terms of surrender to the country.

constrain

v. to restrict or limit someone or something's freedom or ability to do something

synonym : restrict, limit, confine

(1) **constrain** his freedom, (2) **constrain** information flow
The political situation **constrained** the country's economic growth and foreign relations.

blur

n. a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision

synonym : smudge, smear, fuzz

(1) **blur** image, (2) motion **blur**

The camera's focus was off, and the image was a **blur** of colors and shapes.

trade-off

n. a balance achieved between two desirable but incompatible features; an exchange that occurs as a compromise

synonym : compromise, balance, exchange

(1) **trade-off** problem, (2) environmental **trade-off**

There was a **trade-off** between speed and accuracy in the task.

traverse

v. to cross or move through a land or water area

synonym : cross, pass through, travel over

(1) **traverse** the region, (2) **traverse** a vast extent of sea
Approximately 1000 automobiles **traverse** the bridge every day.

goggle

v. to look at someone or something with amazement; to look stupidly; (noun, plural) tight-fitting spectacles that are worn to prevent particulates, water, or chemicals from striking the eyes

synonym : gaze, gawk, gape

(1) **goggle** his eyes, (2) infrared **goggles**

The software company bought the VR **goggles** manufacturer.

recombine

v. to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)

(1) **recombine** at the surface, (2) ability to **recombine**

Some scientists argue that the genes in food should not be artificially **recombined**.

constellation

n. a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people

synonym : asterism, array, pattern

(1) the stars of the Scorpion **constellation**, (2) northern **constellation**

Navigators still use the Little Bear **constellation** at sea.

Session 2: Spelling

- | | |
|--------------------------------------|--|
| 1. publicly available da_____t | <i>n.</i> a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes |
| 2. b__r image | <i>n.</i> a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision |
| 3. sm_____e herself out of a country | <i>v.</i> to import or export something or someone without paying appropriate customs duties, often illegally |
| 4. gra_____ld development | <i>n.</i> a child of someone's son or daughter |
| 5. sup_____ter technology | <i>n.</i> a computer with a high level of computing power and speed, typically used for scientific or engineering computations that require immense amounts of data processing |
| 6. co_____in information flow | <i>v.</i> to restrict or limit someone or something's freedom or ability to do something |
| 7. da_____t analysis | <i>n.</i> a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes |
| 8. di_____e a letter to secretary | <i>v.</i> to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded |

ANSWERS: 1. dataset, 2. blur, 3. smuggle, 4. grandchild, 5. supercomputer, 6. constrain, 7. dataset, 8. dictate

9. in_____ue him *v.* to make someone interested, especially by being strange, unusual, or mysterious; to make a secret plan with other people to harm someone
10. sm_____e drugs *v.* to import or export something or someone without paying appropriate customs duties, often illegally
11. an_____al example *adj.* based on personal accounts or stories that may not be verifiable or representative of a larger population; characterized by anecdotes or casual observations rather than scientific data or empirical evidence
12. a__o saxophone *n.* the second-highest vocal range in choral music, typically sung by the second-highest singers in a choir; a type of saxophone
13. aerial rec_____nce *n.* a preliminary survey or exploration of an area, usually done to gather information or intelligence; a military mission to observe an enemy's activities and gather information
14. tr_____se the region *v.* to cross or move through a land or water area
15. northern con_____ion *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
16. gra_____ld-grandparent relationship *n.* a child of someone's son or daughter

ANSWERS: 9. intrigue, 10. smuggle, 11. anecdotal, 12. alto, 13. reconnaissance, 14. traverse, 15. constellation, 16. grandchild

17. inf_____nt meetings *adj.* occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers
18. ju__o jet *n.* an extremely large or heavy object; an African elephant that was exhibited in a circus in the late 19th century and early 20th century and became widely known as "Jumbo"
19. un_____h burial mound *v.* to discover or bring to light something that is in the ground or was previously hidden or unknown
20. di_____e to the associate *v.* to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded
21. hi_____ke a ride *v.* to obtain a ride in a passing vehicle by signaling to the driver or waving one's thumb; to travel by getting a free ride in someone else's vehicle
22. infrared go___es *v.* to look at someone or something with amazement; to look stupidly; (noun, plural) tight-fitting spectacles that are worn to prevent particulates, water, or chemicals from striking the eyes
23. re_____ne at the surface *v.* to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)
24. sp_____ly attended *adv.* occurring, existing, or situated at wide intervals; in a scattered or thinly populated manner; with a low density or concentration

ANSWERS: 17. infrequent, 18. jumbo, 19. unearh, 20. dictate, 21. hitchhike, 22. goggle, 23. recombine, 24. sparsely

25. vi_____ze data v. to form a mental image or concept of something; to make something visible
26. un_____h a mystery v. to discover or bring to light something that is in the ground or was previously hidden or unknown
27. do rec_____nce work n. a preliminary survey or exploration of an area, usually done to gather information or intelligence; a military mission to observe an enemy's activities and gather information
28. environmental tr_____ff n. a balance achieved between two desirable but incompatible features; an exchange that occurs as a compromise
29. tr_____se a vast extent of sea v. to cross or move through a land or water area
30. in_____ue against his rival v. to make someone interested, especially by being strange, unusual, or mysterious; to make a secret plan with other people to harm someone
31. c__m more circuits into chips v. to force or try to fit a large amount of information into a short time, especially in preparation for an examination; to force or try to fit a large amount of something into a small space
32. ju__o shrimp n. an extremely large or heavy object; an African elephant that was exhibited in a circus in the late 19th century and early 20th century and became widely known as "Jumbo"
33. d_e rabbit n. a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

ANSWERS: 25. visualize, 26. unearth, 27. reconnaissance, 28. trade-off, 29. traverse, 30. intrigue, 31. cram, 32. jumbo, 33. doe

34. tr_____ff problem *n.* a balance achieved between two desirable but incompatible features; an exchange that occurs as a compromise
35. an_____al evidence *adj.* based on personal accounts or stories that may not be verifiable or representative of a larger population; characterized by anecdotes or casual observations rather than scientific data or empirical evidence
36. ability to re_____ne *v.* to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)
37. go___e his eyes *v.* to look at someone or something with amazement; to look stupidly; (noun, plural) tight-fitting spectacles that are worn to prevent particulates, water, or chemicals from striking the eyes
38. buck and d_e *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
39. motion b__r *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
40. sp_____ly decorated *adv.* occurring, existing, or situated at wide intervals; in a scattered or thinly populated manner; with a low density or concentration

ANSWERS: 34. trade-off, 35. anecdotal, 36. recombine, 37. goggle, 38. doe, 39. blur, 40. sparsely

41. vi_____ze flying through space *v.* to form a mental image or concept of something; to make something visible
42. inf_____nt showers *adj.* occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers
43. a cr_____d house *adj.* not having enough space for the people in it; uncomfortably small or restricted
44. the stars of the Scorpion
con_____ion *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
45. an a__o solo *n.* the second-highest vocal range in choral music, typically sung by the second-highest singers in a choir; a type of saxophone
46. hi_____ke across the country *v.* to obtain a ride in a passing vehicle by signaling to the driver or waving one's thumb; to travel by getting a free ride in someone else's vehicle
47. c__m five people into a car *v.* to force or try to fit a large amount of information into a short time, especially in preparation for an examination; to force or try to fit a large amount of something into a small space
48. sup_____ter performance *n.* a computer with a high level of computing power and speed, typically used for scientific or engineering computations that require immense amounts of data processing
49. feel cr_____d *adj.* not having enough space for the people in it; uncomfortably small or restricted

ANSWERS: 41. visualize, 42. infrequent, 43. cramped, 44. constellation, 45. alto, 46. hitchhike, 47. cram, 48. supercomputer, 49. cramped

50. co_____in his freedom

v. to restrict or limit someone or something's freedom or ability to do something

ANSWERS: 50. constrain

Session 3: Fill in the Blanks

1. Approximately 1000 automobiles _____ the bridge every day.
v. to cross or move through a land or water area
2. The town was _____ populated, with only a few houses scattered around the area.
adv. occurring, existing, or situated at wide intervals; in a scattered or thinly populated manner; with a low density or concentration
3. She tried to _____ the layout of the new house in her mind.
v. to form a mental image or concept of something; to make something visible
4. He was able to _____ a gun inside the prison.
v. to import or export something or someone without paying appropriate customs duties, often illegally
5. Traveling to remote villages can be difficult due to _____ transportation.
adj. occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers
6. The software company bought the VR _____ manufacturer.
v. to look at someone or something with amazement; to look stupidly; (noun, plural) tight-fitting spectacles that are worn to prevent particulates, water, or chemicals from striking the eyes
7. The allies _____ the terms of surrender to the country.
v. to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded

ANSWERS: 1. traverse, 2. sparsely, 3. visualize, 4. smuggle, 5. infrequent, 6. goggles, 7. dictated

8. Some scientists argue that the genes in food should not be artificially _____.
- v. to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)
9. The artist's innovative style of work _____ me.
- v. to make someone interested, especially by being strange, unusual, or mysterious; to make a secret plan with other people to harm someone
10. The political situation _____ the country's economic growth and foreign relations.
- v. to restrict or limit someone or something's freedom or ability to do something
11. China has developed one of the world's fastest _____ for its space program.
- n. a computer with a high level of computing power and speed, typically used for scientific or engineering computations that require immense amounts of data processing
12. The _____ singer had a unique and powerful voice.
- n. the second-highest vocal range in choral music, typically sung by the second-highest singers in a choir; a type of saxophone
13. The camera's focus was off, and the image was a _____ of colors and shapes.
- n. a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
14. She had to _____ to the nearest gas station when her car broke down.
- v. to obtain a ride in a passing vehicle by signaling to the driver or waving one's thumb; to travel by getting a free ride in someone else's vehicle

ANSWERS: 8. recombined, 9. intrigues, 10. constrained, 11. supercomputers, 12. alto, 13. blur, 14. hitchhike

15. Navigators still use the Little Bear _____ at sea.
- n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
16. The detective _____ a critical clue that led to the suspect's arrest.
- v.* to discover or bring to light something that is in the ground or was previously hidden or unknown
17. There was a _____ between speed and accuracy in the task.
- n.* a balance achieved between two desirable but incompatible features; an exchange that occurs as a compromise
18. The scientist analyzed the large _____ to conclude the experiment.
- n.* a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes
19. My friend shared an _____ story about her experience in customer service.
- adj.* based on personal accounts or stories that may not be verifiable or representative of a larger population; characterized by anecdotes or casual observations rather than scientific data or empirical evidence
20. Hunters use a whistle that makes the ____ sound to lure stags.
- n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
21. She writes a _____ hand.
- adj.* not having enough space for the people in it; uncomfortably small or restricted
22. I need to buy a _____ bag of dog food for my large-breed puppy.
- n.* an extremely large or heavy object; an African elephant that was exhibited in a circus in the late 19th century and early 20th century and became widely known as "Jumbo"

ANSWERS: 15. constellation, 16. unearthed, 17. trade-off, 18. dataset, 19. anecdotal, 20. doe, 21. cramped, 22. jumbo-sized

23. The grandparents take care of their _____ while the parents are at work.
n. a child of someone's son or daughter
24. She had to _____ for the final exam and stayed up all night studying.
v. to force or try to fit a large amount of information into a short time, especially in preparation for an examination; to force or try to fit a large amount of something into a small space
25. The _____ mission revealed the enemy's position.
n. a preliminary survey or exploration of an area, usually done to gather information or intelligence; a military mission to observe an enemy's activities and gather information

ANSWERS: 23. grandchild, 24. cram, 25. reconnaissance