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Dan Finkel: Can you solve the rogue AI riddle? | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

hostile

adj. unfriendly or aggressively opposed

synonym : unfriendly, aggressive, antagonistic

(1) take up a **hostile** attitude, (2) **hostile** environment

The **hostile** takeover of the company was met with resistance from the employees.

intelligence

n. the ability to learn, comprehend, or make judgments or conclusions based on reasons

synonym : brains, brightness, cleverness

(1) an **intelligence** test, (2) field of artificial **intelligence**

In terms of **intelligence**, he was head and shoulders above his classmates.

lab

n. a workplace for the conduct of scientific research; a laboratory

synonym : workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

raft

n. a flat structure, usually made of logs or planks, that can be used for transport or as a platform for swimmer

synonym : flatboat, boat, barge

(1) a **raft** for carrying horses, (2) a life **raft**

The rubber **raft** was swept out to sea.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

rig

v. to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts

synonym: set up, prepare, arrange

(1) **rig** an election, (2) **rig** a ship with new sails

He **rigged** the game so he could win the prize.

eject

v. to force someone to put out or leave a particular place or position

synonym: discharge, expel, emit

(1) **eject** a player from a game, (2) **eject** huge amounts of pollutant

Our immune system can **eject** disease germs from the body.

grate

n. a metal frame or screen with parallel bars used to cover an opening or to hold fuel for a fire; a surface with parallel ridges or grooves used for grating food or other materials

synonym: frame, shredder, rasp

(1) cheese **grate**, (2) fireplace **grate**

The hiker's boots caught on the **grate**, causing him to stumble.

override

v. to use one's authority or power to cancel or disregard something, especially a decision or rule made by

someone else

synonym : overrule, annul, nullify

(1) **override** the system, (2) **override** a veto

The CEO decided to **override** the decision made by the lower-level managers.

AI

n. (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

synonym : robot, machine learning, neural network

(1) **AI** expert, (2) apply **AI** technology to art

The evolution of processors has dramatically improved the performance of **AI**.

trap

n. a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping

synonym : catch, snare, pinfall

(1) set a **trap**, (2) **trap** an animal

The enemy fell right into the **trap**.

drainage

n. the process of draining or the condition of being drained; the natural or artificial removal of water from an area or a system, usually due to rainfall or melting snow

synonym : draining, runoff, sewage

(1) water **drainage**, (2) blocked **drainage**

The city's **drainage** system was inadequate for heavy rainfall, causing floods.

alternate

adj. occurring or existing one after the other regularly

synonym : substitute, back up, equivalent

(1) **alternate** choice, (2) every **alternate** year

The cleaning lady comes on **alternate** Wednesdays.

skip

v. to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do

synonym: bounce, spring, neglect

(1) **skip** across the country, (2) **skip** breakfast

We **skipped** the topic because it was too complicated.

duel

n. formal, one-on-one combat between two people, typically with deadly weapons, often as a means of settling a dispute or seeking revenge

synonym: contest, fight, competition

(1) sword **duel**, (2) **duel** for honor

The **duel** between the two rival knights was a spectacle to see.

compute

v. to make a mathematical calculation

synonym: calculate

(1) **compute** an average score, (2) **compute** the value

I tried to **compute** the efficiency of the investment.

outcome

n. the result or effect of an action, event, etc.

synonym: result, consequence, effect

(1) improved student **outcomes**, (2) a desirable **outcome**

They awaited news of the **outcome** of the election.

contest

n. a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals

synonym: battle, competition, match

(1) a speech **contest**, (2) a close **contest**

There was a vast **contest** between the two tribes.

maxim

n. a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior

synonym: adage, proverb, aphorism

(1) old **maxim**, (2) act upon a **maxim**

A good **maxim** is never out of season.

survive

v. to live or exist despite a dangerous event or period
synonym: endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash

These birds can only **survive** in temperate climates.

pause

v. to take a short break from talking or doing something before continuing

synonym: halt, break, intermit

(1) **pause** a moment, (2) **pause** for a reaction

The man **paused** before opening the door.

advantage

n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

synonym: benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its increased efficiency.

backward

adv. at, to, or toward the direction or place that is behind or rear

synonym: back, rearward, in reverse

(1) walk **backward**, (2) **backward** angle

She falls over **backward** when she sees her mother-in-law.

principle

n. a fundamental law or truth that explains or controls how something happens or works

synonym: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business

Efficiency isn't an essential **principle** here; fairness is.

opponent

n. a person against whom you are playing or fighting in a game, competition, debate, etc.

synonym: adversary, competitor, enemy

(1) computer **opponent**, (2) death-penalty **opponent**

He was attempting to confuse his **opponent**.

destine

v. to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

synonym: ordain, doom, predestine

(1) **destine** us to meet again, (2) be **destined** to become a great artist

Some people believe that we are all **destined** for greatness.

shortcut

n. an alternative route shorter or quicker than the usual one

synonym: bypass, cutoff, alternative

(1) take a **shortcut**, (2) keyboard **shortcuts**

There is no **shortcut** to success.

identically

adv. in the same way

synonym: likewise

(1) **identically** dressed, (2) **identically** distributed

They wore **identically** colored clothes.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym: cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

trigger

v. to make something happen suddenly; to cause something such as a device, machine, etc. to function

synonym: activate, spark, drive

(1) **trigger** a biochemical response, (2) **trigger** inflation

The incident **triggered** a political controversy.

crisis

n. a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

synonym : concern, problem, emergency

(1) financial **crisis**, (2) **crisis** management

The Chinese word for **crisis** comprises two characters, one for danger and the other for opportunity.

avert

v. to prevent something dangerous or undesirable from happening

synonym : discourage, prevent, deter

(1) **avert** disaster, (2) **avert** a strike

The dam systematically releases large amounts of water to **avert** flooding during the rainy season

surf

v. to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner

synonym : browse, scan, paddle

(1) **surf** the Internet, (2) **surf** the waves

I'll **surf** the online store to see if I can find that item in a different color.

Session 2: Spelling

1. ho____e environment *adj.* unfriendly or aggressively opposed
2. a life r__t *n.* a flat structure, usually made of logs or planks, that can be used for transport or as a platform for swimmer
3. environmental det____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
4. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
5. su____e a plane crash *v.* to live or exist despite a dangerous event or period
6. a r__t for carrying horses *n.* a flat structure, usually made of logs or planks, that can be used for transport or as a platform for swimmer
7. take a sh____ut *n.* an alternative route shorter or quicker than the usual one
8. take up a ho____e attitude *adj.* unfriendly or aggressively opposed
9. al____te choice *adj.* occurring or existing one after the other regularly
10. sword d__l *n.* formal, one-on-one combat between two people, typically with deadly weapons, often as a means of settling a dispute or seeking revenge
11. pa__e for a reaction *v.* to take a short break from talking or doing something before continuing

ANSWERS: 1. hostile, 2. raft, 3. determinant, 4. lab, 5. survive, 6. raft, 7. shortcut, 8. hostile, 9. alternate, 10. duel, 11. pause

12. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
13. blocked dr____ge *n.* the process of draining or the condition of being drained; the natural or artificial removal of water from an area or a system, usually due to rainfall or melting snow
14. walk ba____rd *adv.* at, to, or toward the direction or place that is behind or rear
15. cheese gr__e *n.* a metal frame or screen with parallel bars used to cover an opening or to hold fuel for a fire; a surface with parallel ridges or grooves used for grating food or other materials
16. de____e us to meet again *v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
17. su____e a blizzard *v.* to live or exist despite a dangerous event or period
18. score an ad____ge *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
19. av__t disaster *v.* to prevent something dangerous or undesirable from happening
20. keyboard sh____uts *n.* an alternative route shorter or quicker than the usual one

ANSWERS: 12. lab, 13. drainage, 14. backward, 15. grate, 16. destine, 17. survive, 18. advantage, 19. avert, 20. shortcut

21. co____e an average score *v.* to make a mathematical calculation
22. s__f the Internet *v.* to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner
23. r_g an election *v.* to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts
24. act upon a ma__m *n.* a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior
25. set a t__p *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
26. improved student ou____es *n.* the result or effect of an action, event, etc.
27. be de____ed to become a great artist *v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
28. ide____ly distributed *adv.* in the same way
29. death-penalty op____nt *n.* a person against whom you are playing or fighting in a game, competition, debate, etc.

ANSWERS: 21. compute, 22. surf, 23. rig, 24. maxim, 25. trap, 26. outcome, 27. destine, 28. identically, 29. opponent

30. a desirable ou_____e *n.* the result or effect of an action, event, etc.
31. pr_____le in business *n.* a fundamental law or truth that explains or controls how something happens or works
32. ej__t a player from a game *v.* to force someone to put out or leave a particular place or position
33. co_____e the value *v.* to make a mathematical calculation
34. pr_____le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
35. fireplace gr__e *n.* a metal frame or screen with parallel bars used to cover an opening or to hold fuel for a fire; a surface with parallel ridges or grooves used for grating food or other materials
36. cr___s management *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
37. d__l for honor *n.* formal, one-on-one combat between two people, typically with deadly weapons, often as a means of settling a dispute or seeking revenge
38. ba_____rd angle *adv.* at, to, or toward the direction or place that is behind or rear
39. take ad_____ge of his weak points *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

ANSWERS: 30. outcome, 31. principle, 32. eject, 33. compute, 34. principle, 35. grate, 36. crisis, 37. duel, 38. backward, 39. advantage

40. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
41. s__p across the country *v.* to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do
42. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
43. ide_____ly dressed *adv.* in the same way
44. tr_____r inflation *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
45. ov_____de a veto *v.* to use one's authority or power to cancel or disregard something, especially a decision or rule made by someone else
46. every al_____te year *adj.* occurring or existing one after the other regularly
47. s__f the waves *v.* to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner
48. old ma__m *n.* a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior

ANSWERS: 40. intelligence, 41. skip, 42. electrify, 43. identically, 44. trigger, 45. override, 46. alternate, 47. surf, 48. maxim

49. AI expert *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
50. financial cr___s *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
51. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
52. t__p an animal *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
53. a close co_____t *n.* a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals
54. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
55. r_g a ship with new sails *v.* to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts

ANSWERS: 49. AI, 50. crisis, 51. determinant, 52. trap, 53. contest, 54. electrify, 55. rig

56. apply AI technology to art *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
57. water dr____ge *n.* the process of draining or the condition of being drained; the natural or artificial removal of water from an area or a system, usually due to rainfall or melting snow
58. an int_____nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
59. tr_____r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
60. a speech co_____t *n.* a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals
61. av__t a strike *v.* to prevent something dangerous or undesirable from happening
62. s__p breakfast *v.* to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do
63. pa__e a moment *v.* to take a short break from talking or doing something before continuing

ANSWERS: 56. AI, 57. drainage, 58. intelligence, 59. trigger, 60. contest, 61. avert, 62. skip, 63. pause

64. ej__t huge amounts of pollutant *v.* to force someone to put out or leave a particular place or position
65. computer op_____nt *n.* a person against whom you are playing or fighting in a game, competition, debate, etc.
66. ov_____de the system *v.* to use one's authority or power to cancel or disregard something, especially a decision or rule made by someone else

ANSWERS: 64. eject, 65. opponent, 66. override

Session 3: Fill in the Blanks

1. The Prime Minister will pay a courtesy visit to the Nobel laureate's ____.
n. a workplace for the conduct of scientific research; a laboratory
2. The ____ between the two rival knights was a spectacle to see.
n. formal, one-on-one combat between two people, typically with deadly weapons, often as a means of settling a dispute or seeking revenge
3. A good ____ is never out of season.
n. a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior
4. The hiker's boots caught on the ____ causing him to stumble.
n. a metal frame or screen with parallel bars used to cover an opening or to hold fuel for a fire; a surface with parallel ridges or grooves used for grating food or other materials
5. He ____ the game so he could win the prize.
v. to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts
6. The Chinese word for ____ comprises two characters, one for danger and the other for opportunity.
n. a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
7. The CEO decided to ____ the decision made by the lower-level managers.
v. to use one's authority or power to cancel or disregard something, especially a decision or rule made by someone else

ANSWERS: 1. lab, 2. duel, 3. maxim, 4. grate, 5. rigged, 6. crisis, 7. override

8. The man _____ before opening the door.
- v. to take a short break from talking or doing something before continuing
9. The product developed through years of research continues to _____ the market.
- v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
10. The evolution of processors has dramatically improved the performance of ____.
- n. (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
11. The rubber _____ was swept out to sea.
- n. a flat structure, usually made of logs or planks, that can be used for transport or as a platform for swimmer
12. The cleaning lady comes on _____ Wednesdays.
- adj. occurring or existing one after the other regularly
13. There was a vast _____ between the two tribes.
- n. a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals
14. The _____ takeover of the company was met with resistance from the employees.
- adj. unfriendly or aggressively opposed
15. The enemy fell right into the _____.
- n. a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping

ANSWERS: 8. paused, 9. electrify, 10. AI, 11. raft, 12. alternate, 13. contest, 14. hostile, 15. trap

16. The dam systematically releases large amounts of water to _____ flooding during the rainy season
- v. to prevent something dangerous or undesirable from happening
17. Efficiency isn't an essential _____ here; fairness is.
- n. a fundamental law or truth that explains or controls how something happens or works
18. I tried to _____ the efficiency of the investment.
- v. to make a mathematical calculation
19. The incident _____ a political controversy.
- v. to make something happen suddenly; to cause something such as a device, machine, etc. to function
20. We _____ the topic because it was too complicated.
- v. to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do
21. Some people believe that we are all _____ for greatness.
- v. to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
22. They awaited news of the _____ of the election.
- n. the result or effect of an action, event, etc.
23. One of the main _____ of the new product is its increased efficiency.
- n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

ANSWERS: 16. avert, 17. principle, 18. compute, 19. triggered, 20. skipped, 21. destined, 22. outcome, 23. advantages

24. There is no _____ to success.

n. an alternative route shorter or quicker than the usual one

25. The city's _____ system was inadequate for heavy rainfall, causing floods.

n. the process of draining or the condition of being drained; the natural or artificial removal of water from an area or a system, usually due to rainfall or melting snow

26. In terms of _____ he was head and shoulders above his classmates.

n. the ability to learn, comprehend, or make judgments or conclusions based on reasons

27. These birds can only _____ in temperate climates.

v. to live or exist despite a dangerous event or period

28. I'll _____ the online store to see if I can find that item in a different color.

v. to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner

29. She falls over _____ when she sees her mother-in-law.

adv. at, to, or toward the direction or place that is behind or rear

30. He was attempting to confuse his _____.

n. a person against whom you are playing or fighting in a game, competition, debate, etc.

31. Our immune system can _____ disease germs from the body.

v. to force someone to put out or leave a particular place or position

ANSWERS: 24. shortcut, 25. drainage, 26. intelligence, 27. survive, 28. surf, 29. backward, 30. opponent, 31. eject

32. One _____ of success is having a positive attitude and a strong work ethic.

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

33. They wore _____ colored clothes.

adv. in the same way

ANSWERS: 32. determinant, 33. identically