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Refik Anadol: Art in the age of machine intelligence | TED Talk

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

Advanced Words Only

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Session 1: Word List

hallucinate

v. to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use

(1) start to **hallucinate**, (2) **hallucinate** with drug

Sleep-deprived people gradually lose their concentration and may **hallucinate**.

videocassette

n. a type of magnetic tape used to store video and audio content for playback on a VCR or other tape-based video player device

synonym: videotape, VHS, cassette

(1) rewind a **videocassette**, (2) **videocassette** recorder

I found an old **videocassette** of my favorite movie and decided to watch it again.

mesmerize

v. to captivate or fascinate; to hold the complete attention of

synonym: captivate, trance, enchant

(1) **mesmerize** a subject, (2) **mesmerize** with magic

The magician's performance **mesmerized** the audience.

staple

adj. essential, crucial, or regularly used

synonym: essential, fundamental, pivotal

(1) **staple** commodities, (2) **staple** crop
Rice and beans are a **staple** food in many cultures.

daydreaming

n. the act of thinking about something that you would prefer to be doing or have happened to you
synonym: reverie, cloud-castle, imagination

(1) stimulate **daydreaming**, (2) the mental process of **daydreaming**

I often waste a lot of time **daydreaming**.

android

n. a robot with a human appearance; (operating system) Google's mobile operating system
synonym: droid, cyborg

(1) household **android**, (2) **Android** tablet

The lab is developing an **android** robot that assists in dangerous construction work.

involuntary

adj. acting or done without or against one's will
synonym: coerced, forced, automatic

(1) **involuntary** manslaughter, (2) **involuntary** muscles

The drug's side effects can include **involuntary** loss of urine.

neuroscience

n. the scientific study of the function, structure, and disorder of the brain and the nervous system

(1) the branch of **neuroscience**, (2) a theoretical concept in **neuroscience**

Our university is famous for its professors, who are well-versed in behavioral **neuroscience**.

storytelling

n. the act or art of narrating or writing stories
synonym: narrating, relating, recounting

(1) **storytelling** performance, (2) courtroom **storytelling**

She was skilled in **storytelling** techniques, such as using different voices for other characters.

embed

v. to fix or set firmly in a surrounding mass

synonym: entrench, fix, set

(1) **embed** scripts in the message, (2) **embed** a sensor
The company **embedded** a tracking code in the product's packaging to monitor its shipment.

collide

v. to hit something violently when moving

synonym: clash, slam, contradict

(1) **collide** head-on, (2) **collide** in midair
The interests of the two countries **collide**.

poetics

n. the study or practice of literary composition, including the use of language, imagery, and other creative elements to create works of poetry or literature

synonym: poetry, verse, literature

(1) intertextual **poetics**, (2) **poetics** of cinema
The poet's use of **poetics** captured the essence of the human condition.

depict

v. to illustrate someone or something in a photograph

synonym: illustrate, describe, express

(1) **depict** a scene, (2) **depict** a feeling of isolation
His son had accurately **depicted** the bloom.

ponder

v. to think deeply or carefully about something

synonym: think about, consider, reflect on

(1) **ponder** divine matters, (2) **ponder** life's meaning
She sat quietly, **pondering** the difficult decision.

gust

n. a sudden, strong rush of wind or air

synonym: blast, flurry, burst

(1) sudden **gust**, (2) strong **gusts**
The **gust** of wind nearly knocked me off my feet as I walked to work.

ethereal

adj. delicate, light, and airy; extremely refined or subtle; heavenly or spiritual

synonym : airy, delicate, celestial

(1) **ethereal** beauty, (2) **ethereal** light

The **ethereal** music created a dreamlike atmosphere in the concert hall.

speculate

v. to form a theory or conjecture or guess about a subject without solid evidence

synonym : assume, conjecture, infer

(1) **speculate** about the reason, (2) **speculate** on the outcome

He **speculated** that this investment would lead to success.

reimagine

v. to imagine or conceive of something in a new or different way

synonym : re-conceptualize, re-envision, re-create

(1) **reimagine** the future, (2) **reimagine** the possibilities

The company is trying to **reimagine** its business model to stay competitive.

immersion

n. the act of putting someone or something into a liquid completely; the state of being completely involved in a subject or activity

synonym : submergence, involvement, engagement

(1) baptism by **immersion**, (2) **immersion** in acid

I felt like I was in a different world because of the **immersion** experience of virtual reality.

furthermost

adj. most distant or remote; farthest away from a central point

synonym : farthest, outermost, remotest

(1) **furthermost** point, (2) **furthermost** limit

The treasure was located at the **furthermost** corner of the island, and it took days to reach it.

augment

v. to increase the size, extent, quantity, etc. of something by adding something to it

synonym: boost, increase, expand

(1) **augment** the reality, (2) **augment** immunity

Economic factors and monetary policy **augmented** inflation.

conceive

v. to have or develop an idea, a plan, etc. in mind; to become pregnant

synonym: imagine, envision, concoct

(1) **conceive** of an idea, (2) **conceive** a child

I can't **conceive** he'd want to harm us.

immerse

v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

synonym: dip, inundate, submerge

(1) **immerse** the cloth in the dye, (2) completely **immerse** the ingredient

He **immersed** himself in his research.

profoundly

adv. to a great or complete degree; deeply

synonym: deeply, greatly, completely

(1) **profoundly** insightful, (2) sleep **profoundly**

The novel affected her **profoundly**, causing her to question her beliefs and values.

machine-learning

n. the process through which computers change the way they perform jobs without following explicit instructions by using algorithms and statistical models to analyze and draw inferences from patterns in data

(1) **machine-learning** method, (2) **machine-learning** processor

Many software engineers are developing applications to build **machine-learning** algorithms more quickly.

delve

v. to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or

careful manner

synonym : dig, excavate, uncover

(1) **delve** deeper, (2) **delve** into documents

Researchers must **delve** into the intricacies of the human brain to understand mental illness.

recollection

n. the act of remembering or the state of being remembered

synonym : memory, reminiscence, remembrance

(1) a vague **recollection**, (2) **recollection** of a traumatic event

The older man's **recollections** of his youth were filled with stories of adventure and romance.

subconscious

adj. relating to or concerning the part of the mind that is not fully conscious but still influences thoughts, feelings, and behavior

synonym : unconscious, latent, hidden

(1) **subconscious** influence, (2) **subconscious** behavior

The **subconscious** mind is said to hold our deepest desires and fears.

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.

Alzheimer

n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults

synonym : dementia, memory loss, cognitive decline

(1) **Alzheimer's** brain, (2) **Alzheimer's** risk factors

My grandmother has **Alzheimer's** disease requires special care and attention from her caregivers.

philharmonic

adj. relating to a symphony orchestra or group of musicians playing classical music

synonym : symphonic, musical, harmonious

(1) national **philharmonic**, (2) **philharmonic** concert

The **philharmonic** orchestra played an incredible concert last night.

symphony

n. a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

synonym : orchestra, harmony, concert

(1) a **symphony** orchestra, (2) a beautiful **symphony**

The frequent performances of the **symphony** prove its popularity.

futurist

n. a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold

synonym : foreseer, prophet, fortune-teller

(1) **futurist** architecture, (2) **futurist** ideas

The radical **futurist** predicted that virtual reality would become a standard in everyday life.

curate

n. a clergyman who is in charge of a parish; a person in charge of a museum, gallery, or church, responsible for the care and display of its collections and exhibitions; (verb) to carefully select, organize, and maintain items in a collection, exhibition, or presentation

synonym : minister, caretaker, (verb) arrange

(1) perpetual **curate**, (2) **curate** an art website

The art museum has hired a **curate** to select and display pieces from its collection.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym :

revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

Session 2: Spelling

1. me_____ze a subject
v. to captivate or fascinate; to hold the complete attention of
2. cu____e an art website
n. a clergyman who is in charge of a parish; a person in charge of a museum, gallery, or church, responsible for the care and display of its collections and exhibitions; (verb) to carefully select, organize, and maintain items in a collection, exhibition, or presentation
3. intertextual po____s
n. the study or practice of literary composition, including the use of language, imagery, and other creative elements to create works of poetry or literature
4. st____e crop
adj. essential, crucial, or regularly used
5. au____t immunity
v. to increase the size, extent, quantity, etc. of something by adding something to it
6. Al____er's brain
n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
7. po____s of cinema
n. the study or practice of literary composition, including the use of language, imagery, and other creative elements to create works of poetry or literature

ANSWERS: 1. mesmerize, 2. curate, 3. poetics, 4. staple, 5. augment, 6. Alzheimer, 7. poetics

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|-------------------------------|--|
| 8. sudden g__t | <i>n.</i> a sudden, strong rush of wind or air |
| 9. rewind a vid_____tte | <i>n.</i> a type of magnetic tape used to store video and audio content for playback on a VCR or other tape-based video player device |
| 10. household an____d | <i>n.</i> a robot with a human appearance; (operating system) Google's mobile operating system |
| 11. the branch of neu_____nce | <i>n.</i> the scientific study of the function, structure, and disorder of the brain and the nervous system |
| 12. co____ve of an idea | <i>v.</i> to have or develop an idea, a plan, etc. in mind; to become pregnant |
| 13. hal_____te with drug | <i>v.</i> to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use |
| 14. de__e into documents | <i>v.</i> to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner |
| 15. et____al light | <i>adj.</i> delicate, light, and airy; extremely refined or subtle; heavenly or spiritual |
| 16. et____al beauty | <i>adj.</i> delicate, light, and airy; extremely refined or subtle; heavenly or spiritual |
| 17. national phi_____nic | <i>adj.</i> relating to a symphony orchestra or group of musicians playing classical music |
| 18. co____e head-on | <i>v.</i> to hit something violently when moving |

ANSWERS: 8. gust, 9. videocassette, 10. android, 11. neuroscience, 12. conceive, 13. hallucinate, 14. delve, 15. ethereal, 16. ethereal, 17. philharmonic, 18. collide

19. sp_____te about the reason *v.* to form a theory or conjecture or guess about a subject without solid evidence
20. baptism by im_____on *n.* the act of putting someone or something into a liquid completely; the state of being completely involved in a subject or activity
21. inv_____ry muscles *adj.* acting or done without or against one's will
22. the mental process of day_____ng *n.* the act of thinking about something that you would prefer to be doing or have happened to you
23. completely im_____e the ingredient *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
24. po____r divine matters *v.* to think deeply or carefully about something
25. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
26. vi_____ze flying through space *v.* to form a mental image or concept of something; to make something visible
27. fur_____st point *adj.* most distant or remote; farthest away from a central point
28. im_____on in acid *n.* the act of putting someone or something into a liquid completely; the state of being completely involved in a subject or activity

ANSWERS: 19. speculate, 20. immersion, 21. involuntary, 22. daydreaming, 23. immerse, 24. ponder, 25. rev, 26. visualize, 27. furthestmost, 28. immersion

29. sto_____ing performance *n.* the act or art of narrating or writing stories
30. pro_____ly insightful *adv.* to a great or complete degree; deeply
31. strong g__ts *n.* a sudden, strong rush of wind or air
32. st___e commodities *adj.* essential, crucial, or regularly used
33. sleep pro_____ly *adv.* to a great or complete degree; deeply
34. stimulate day_____ng *n.* the act of thinking about something that you would prefer to be doing or have happened to you
35. de__e deeper *v.* to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner
36. co_____e in midair *v.* to hit something violently when moving
37. Al_____er's risk factors *n.* a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
38. em__d scripts in the message *v.* to fix or set firmly in a surrounding mass
39. em__d a sensor *v.* to fix or set firmly in a surrounding mass
40. po___r life's meaning *v.* to think deeply or carefully about something
41. fu_____st ideas *n.* a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold

ANSWERS: 29. storytelling, 30. profoundly, 31. gust, 32. staple, 33. profoundly, 34. daydreaming, 35. delve, 36. collide, 37. Alzheimer, 38. embed, 39. embed, 40. ponder, 41. futurist

42. re_____ne the possibilities *v.* to imagine or conceive of something in a new or different way
43. a theoretical concept in neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
44. An_____d tablet *n.* a robot with a human appearance; (operating system) Google's mobile operating system
45. de____t a feeling of isolation *v.* to illustrate someone or something in a photograph
46. fu_____st architecture *n.* a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold
47. sub_____ous influence *adj.* relating to or concerning the part of the mind that is not fully conscious but still influences thoughts, feelings, and behavior
48. a beautiful sy_____ny *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
49. sub_____ous behavior *adj.* relating to or concerning the part of the mind that is not fully conscious but still influences thoughts, feelings, and behavior
50. me_____ze with magic *v.* to captivate or fascinate; to hold the complete attention of
51. mac_____ing processor *n.* the process through which computers change the way they perform jobs without following explicit instructions by using algorithms and statistical models to analyze and draw inferences from patterns in data

ANSWERS: 42. reimagine, 43. neuroscience, 44. android, 45. depict, 46. futurist, 47. subconscious, 48. symphony, 49. subconscious, 50. mesmerize, 51. machine-learning

52. im_____e the cloth in the dye *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
53. sp_____te on the outcome *v.* to form a theory or conjecture or guess about a subject without solid evidence
54. de____t a scene *v.* to illustrate someone or something in a photograph
55. vi_____ze data *v.* to form a mental image or concept of something; to make something visible
56. vid_____tte recorder *n.* a type of magnetic tape used to store video and audio content for playback on a VCR or other tape-based video player device
57. start to hal_____te *v.* to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use
58. co_____ve a child *v.* to have or develop an idea, a plan, etc. in mind; to become pregnant
59. re_____ne the future *v.* to imagine or conceive of something in a new or different way
60. a sy_____ny orchestra *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
61. fur_____st limit *adj.* most distant or remote; farthest away from a central point
62. perpetual cu____e *n.* a clergyman who is in charge of a parish; a person in charge of a museum, gallery, or church, responsible for the care and display of its collections and exhibitions; (verb) to carefully select, organize, and maintain items in a collection, exhibition, or presentation

ANSWERS: 52. immerse, 53. speculate, 54. depict, 55. visualize, 56. videocassette, 57. hallucinate, 58. conceive, 59. reimagine, 60. symphony, 61. furthest, 62.

curate

63. rec_____ion of a traumatic event *n.* the act of remembering or the state of being remembered
64. a vague rec_____ion *n.* the act of remembering or the state of being remembered
65. inv_____ry manslaughter *adj.* acting or done without or against one's will
66. mac_____ing method *n.* the process through which computers change the way they perform jobs without following explicit instructions by using algorithms and statistical models to analyze and draw inferences from patterns in data
67. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
68. courtroom sto_____ing *n.* the act or art of narrating or writing stories
69. phi_____nic concert *adj.* relating to a symphony orchestra or group of musicians playing classical music
70. au_____t the reality *v.* to increase the size, extent, quantity, etc. of something by adding something to it

ANSWERS: 63. recollection, 64. recollection, 65. involuntary, 66. machine-learning, 67. rev, 68. storytelling, 69. philharmonic, 70. augment

Session 3: Fill in the Blanks

1. Sleep-deprived people gradually lose their concentration and may _____.
v. to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use
2. The company _____ a tracking code in the product's packaging to monitor its shipment.
v. to fix or set firmly in a surrounding mass
3. The frequent performances of the _____ prove its popularity.
n. a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
4. She was skilled in _____ techniques, such as using different voices for other characters.
n. the act or art of narrating or writing stories
5. I often waste a lot of time _____.
n. the act of thinking about something that you would prefer to be doing or have happened to you
6. 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
7. I can't _____ he'd want to harm us.
v. to have or develop an idea, a plan, etc. in mind; to become pregnant
8. Our university is famous for its professors, who are well-versed in behavioral _____.
n. the scientific study of the function, structure, and disorder of the brain and the nervous system

ANSWERS: 1. hallucinate, 2. embedded, 3. symphony, 4. storytelling, 5. daydreaming, 6. visualize, 7. conceive, 8. neuroscience

9. The treasure was located at the _____ corner of the island, and it took days to reach it.
adj. most distant or remote; farthest away from a central point
10. My grandmother has _____ disease requires special care and attention from her caregivers.
n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
11. Economic factors and monetary policy _____ inflation.
v. to increase the size, extent, quantity, etc. of something by adding something to it
12. The _____ music created a dreamlike atmosphere in the concert hall.
adj. delicate, light, and airy; extremely refined or subtle; heavenly or spiritual
13. The _____ of wind nearly knocked me off my feet as I walked to work.
n. a sudden, strong rush of wind or air
14. The older man's _____ of his youth were filled with stories of adventure and romance.
n. the act of remembering or the state of being remembered
15. The company is trying to _____ its business model to stay competitive.
v. to imagine or conceive of something in a new or different way
16. I felt like I was in a different world because of the _____ experience of virtual reality.
n. the act of putting someone or something into a liquid completely; the state of being completely involved in a subject or activity

ANSWERS: 9. furthest, 10. Alzheimer's, 11. augmented, 12. ethereal, 13. gust, 14. recollections, 15. reimagine, 16. immersion

17. The drug's side effects can include _____ loss of urine.

adj. acting or done without or against one's will

18. He _____ that this investment would lead to success.

v. to form a theory or conjecture or guess about a subject without solid evidence

19. Rice and beans are a _____ food in many cultures.

adj. essential, crucial, or regularly used

20. The radical _____ predicted that virtual reality would become a standard in everyday life.

n. a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold

21. He stepped on the gas pedal, and the engine released a loud ____.

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

22. He _____ himself in his research.

v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

23. Many software engineers are developing applications to build _____ algorithms more quickly.

n. the process through which computers change the way they perform jobs without following explicit instructions by using algorithms and statistical models to analyze and draw inferences from patterns in data

24. She sat quietly, _____ the difficult decision.

v. to think deeply or carefully about something

ANSWERS: 17. involuntary, 18. speculated, 19. staple, 20. futurist, 21. rev, 22. immersed, 23. machine-learning, 24. pondering

25. The _____ orchestra played an incredible concert last night.
adj. relating to a symphony orchestra or group of musicians playing classical music
26. The _____ mind is said to hold our deepest desires and fears.
adj. relating to or concerning the part of the mind that is not fully conscious but still influences thoughts, feelings, and behavior
27. The poet's use of _____ captured the essence of the human condition.
n. the study or practice of literary composition, including the use of language, imagery, and other creative elements to create works of poetry or literature
28. Researchers must _____ into the intricacies of the human brain to understand mental illness.
v. to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner
29. The art museum has hired a _____ to select and display pieces from its collection.
n. a clergyman who is in charge of a parish; a person in charge of a museum, gallery, or church, responsible for the care and display of its collections and exhibitions; (verb) to carefully select, organize, and maintain items in a collection, exhibition, or presentation
30. The magician's performance _____ the audience.
v. to captivate or fascinate; to hold the complete attention of
31. The interests of the two countries _____.
v. to hit something violently when moving
32. His son had accurately _____ the bloom.
v. to illustrate someone or something in a photograph

ANSWERS: 25. philharmonic, 26. subconscious, 27. poetics, 28. delve, 29. curate, 30. mesmerized, 31. collide, 32. depicted

33. The novel affected her _____ causing her to question her beliefs and values.

adv. to a great or complete degree; deeply

34. The lab is developing an _____ robot that assists in dangerous construction work.

n. a robot with a human appearance; (operating system) Google's mobile operating system

35. I found an old _____ of my favorite movie and decided to watch it again.

n. a type of magnetic tape used to store video and audio content for playback on a VCR or other tape-based video player device

ANSWERS: 33. profoundly, 34. android, 35. videocassette