

The **iconfonts** package
Up-to-date Lua \LaTeX support for
Font Awesome Free and *Academicons*

Marc Penninga*

Version 1.0.3 (2025-09-04);
includes Font Awesome Free version 7.0.1 and Academicons version 1.9.4

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1 Introduction

There already exist several packages on CTAN that provide access to the *Font Awesome Free* and *Academicons* icon fonts, but these have all become outdated and are missing many icons from newer versions of those fonts. The **iconfonts** package attempts to deal with the update problem by building the \LaTeX support dynamically from data in the fonts themselves; updating the package is then as simple as replacing the font files with newer ones. The drawback of this approach is that the package only works with Lua \LaTeX .

2 Installation

This package is not (yet?) available from CTAN, and hence also not included in \TeX Live and other \TeX distributions. It must therefore be installed manually; this is done by copying the

*URL:  github.com/drs-p/iconfonts

contents of the `texmf/` directory to either your `$TEXMFLOCAL` or your `$TEXMFHOME` tree. Installing it in `$TEXMFLOCAL` will make the package available to all users on the system, but may require administrator rights; installing it in `$TEXMFHOME` makes it available only for your user. The precise values of `$TEXMFLOCAL` and `$TEXMFHOME` depend on your `TeX` installation; see your installation’s documentation for more information.

If you are using `TeX Live` (or another `TeX` distribution that uses the `kpathsea` library), you can find the value of these variables by running

```
kpsewhich -expand-var '$TEXMFLOCAL'
```

and similarly for `$TEXMFHOME`.

3 Usage

The `iconfonts` package contains all icons from the `Academicons` and `Font Awesome Free` fonts.

`\fontawesome` The package provides two commands to access those icons: `\fontawesome` and `\academicons`.
`\academicons` Each of these has a single, mandatory argument: the `<name>` of the icon.

Some `Font Awesome` icons have light or open variants, such as ☺ and ☺. Those variants are accessed by adding `-o` to the icon name: `\fontawesome{face-smile-o}` instead of `\fontawesome{face-smile}`. A list of all icons and their names is included in the appendices.

`\fontawesome*` The icons have varying widths. Both commands have starred variants, `\fontawesome*` and
`\academicons*` `\academicons*`, that produce fixed-width icons (by centering them in a 1.25em wide box).

4 Copyright

- The `Font Awesome` fonts are Copyright 2025 Fonticons, Inc. (<https://fontawesome.com>), with Reserved Font Name “Font Awesome”.
- The `Academicons` font is Copyright 2023 James Walsh, Katja Bercic (<https://jpswalsh.github.io/academicons>), with Reserved Font Name “Academicons”.
- All other files are Copyright 2025 Marc Penninga.

5 License

Both the `Font Awesome` fonts and the `Academicons` font are released under the `SIL Open Font License`, version 1.1. The rest of this package is released under the `LaTeX Project Public License`, version 1.3c.

All brand icons are trademarks of their respective owners. The use of these trademarks does not indicate endorsement of the trademark holder by `Font Awesome` or the author, nor vice versa. **Please do not use brand logos for any purpose except to represent the company, product, or service to which they refer.**

















































A List of Font Awesome icons

	address-book		arrow-up-short-wide		blender-phone
	address-book-o		arrow-up-wide-short		blog
	address-card		arrow-up-z-a		bold
	address-card-o		arrows-down-to-line		bolt
	alarm-clock		arrows-down-to-people		bolt-lightning
	alarm-clock-o		arrows-left-right		bomb
	align-center		arrows-left-right-to-line		bone
	align-justify		arrows-rotate		bong
	align-left		arrows-spin		book
	align-right		arrows-split-up-and-left		book-atlas
	anchor		arrows-to-circle		book-bible
	anchor-circle-check		arrows-to-dot		book-bookmark
	anchor-circle-exclamation		arrows-to-eye		book-journal-whills
	anchor-circle-xmark		arrows-turn-right		book-medical
	anchor-lock		arrows-turn-to-dots		book-open
	angle-down		arrows-up-down		book-open-reader
	angle-left		arrows-up-down-left-right		book-quran
	angle-right		arrows-up-to-line		book-skull
	angle-up		atom		book-tanakh
	angles-down		audio-description		bookmark
	angles-left		award		bookmark-o
	angles-right		baby		border-all
	angles-up		baby-carriage		border-none
	ankh		backward		border-top-left
	apple-whole		backward-fast		bore-hole
	archway		backward-step		bottle-droplet
	arrow-down		bacon		bottle-water
	arrow-down-1-9		bacteria		bowl-food
	arrow-down-9-1		bacterium		bowl-rice
	arrow-down-a-z		bag-shopping		bowling-ball
	arrow-down-long		bahai		box
	arrow-down-short-wide		ban		box-archive
	arrow-down-up-across-line		ban-smoking		box-open
	arrow-down-up-lock		bandage		box-tissue
	arrow-down-wide-short		barcode		boxes-packing
	arrow-down-z-a		bars		boxes-stacked
	arrow-left		bars-progress		braille
	arrow-left-long		bars-staggered		brain
	arrow-pointer		baseball		bread-slice
	arrow-right		baseball-bat-ball		bridge
	arrow-right-arrow-left		basket-shopping		bridge-circle-check
	arrow-right-from-bracket		basketball		bridge-circle-exclamation
	arrow-right-long		bath		bridge-circle-xmark
	arrow-right-to-bracket		battery-empty		bridge-lock
	arrow-right-to-city		battery-full		bridge-water
	arrow-rotate-left		battery-half		briefcase
	arrow-rotate-right		battery-quarter		briefcase-medical
	arrow-trend-down		battery-three-quarters		broom
	arrow-trend-up		bed		broom-ball
	arrow-turn-down		bed-pulse		brush
	arrow-turn-up		beer-mug-empty		bucket
	arrow-up		bell		bug
	arrow-up-1-9		bell-concierge		bug-slash
	arrow-up-9-1		bell-o		bugs
	arrow-up-a-z		bell-slash		building
	arrow-up-from-bracket		bell-slash-o		building-circle-arrow-right
	arrow-up-from-ground-water		bezier-curve		building-circle-check
	arrow-up-from-water-pump		bicycle		building-circle-exclamation
	arrow-up-long		binoculars		building-circle-xmark
	arrow-up-right-dots		biohazard		building-columns
	arrow-up-right-from-square		blender		building-flag











































building-lock
 building-ngo
 building-o
 building-shield
 building-un
 building-user
 building-wheat
 bullhorn
 bullseye
 burger
 burst
 bus
 bus-side
 bus-simple
 business-time
 cable-car
 cake-candles
 calculator
 calendar
 calendar-check
 calendar-check-o
 calendar-day
 calendar-days
 calendar-days-o
 calendar-minus
 calendar-minus-o
 calendar-o
 calendar-plus
 calendar-plus-o
 calendar-week
 calendar-xmark
 calendar-xmark-o
 camera
 camera-o
 camera-retro
 camera-rotate
 campground
 candy-cane
 cannabis
 capsules
 car
 car-battery
 car-burst
 car-on
 car-rear
 car-side
 car-tunnel
 caravan
 caret-down
 caret-left
 caret-right
 caret-up
 carrot
 cart-arrow-down
 cart-flatbed
 cart-flatbed-suitcase
 cart-plus
 cart-shopping
 cash-register
 cat
 certificate
 chair
 chalkboard

chalkboard-user
 champagne-glasses
 charging-station
 chart-area
 chart-bar
 chart-bar-o
 chart-column
 chart-diagram
 chart-gantt
 chart-line
 chart-pie
 chart-simple
 check
 check-double
 check-to-slot
 cheese
 chess
 chess-bishop
 chess-bishop-o
 chess-board
 chess-king
 chess-king-o
 chess-knight
 chess-knight-o
 chess-pawn
 chess-pawn-o
 chess-queen
 chess-queen-o
 chess-rook
 chess-rook-o
 chevron-down
 chevron-left
 chevron-right
 chevron-up
 child
 child-combatant
 child-dress
 child-reaching
 children
 church
 circle
 circle-arrow-down
 circle-arrow-left
 circle-arrow-right
 circle-arrow-up
 circle-check
 circle-check-o
 circle-chevron-down
 circle-chevron-left
 circle-chevron-right
 circle-chevron-up
 circle-dollar-to-slot
 circle-dot
 circle-dot-o
 circle-down
 circle-down-o
 circle-exclamation
 circle-h
 circle-half-stroke
 circle-info
 circle-left
 circle-left-o
 circle-minus

circle-nodes
 circle-notch
 circle-o
 circle-pause
 circle-pause-o
 circle-play
 circle-play-o
 circle-plus
 circle-question
 circle-question-o
 circle-radiation
 circle-right
 circle-right-o
 circle-stop
 circle-stop-o
 circle-up
 circle-up-o
 circle-user
 circle-user-o
 circle-xmark
 circle-xmark-o
 city
 clapperboard
 clipboard
 clipboard-check
 clipboard-list
 clipboard-o
 clipboard-question
 clipboard-user
 clock
 clock-o
 clock-rotate-left
 clone
 clone-o
 closed-captioning
 closed-captioning-o
 cloud
 cloud-arrow-down
 cloud-arrow-up
 cloud-bolt
 cloud-meatball
 cloud-moon
 cloud-moon-rain
 cloud-o
 cloud-rain
 cloud-showers-heavy
 cloud-showers-water
 cloud-sun
 cloud-sun-rain
 clover
 code
 code-branch
 code-commit
 code-compare
 code-fork
 code-merge
 code-pull-request
 coins
 comment
 comment-dollar
 comment-dots
 comment-dots-o
 comment-medical

 comment-nodes
 comment-o
 comment-slash
 comment-sms
 comments
 comments-dollar
 comments-o
 compact-disc
 compass
 compass-drafting
 compass-o
 compress
 computer
 computer-mouse
 cookie
 cookie-bite
 copy
 copy-o
 copyright
 copyright-o
 couch
 cow
 credit-card
 credit-card-o
 crop
 crop-simple
 cross
 crosshairs
 crow
 crown
 crutch
 cube
 cubes
 cubes-stacked
 database
 delete-left
 democrat
 desktop
 dharmachakra
 diagram-next
 diagram-predecessor
 diagram-project
 diagram-successor
 diamond
 diamond-turn-right
 dice
 dice-d20
 dice-d6
 dice-five
 dice-four
 dice-one
 dice-six
 dice-three
 dice-two
 disease
 display
 dna
 dog
 dolly
 door-closed
 door-open
 dove
 down-left-and-up-right-to-center
































































 down-long
 download
 dragon
 draw-polygon
 droplet
 droplet-slash
 drum
 drum-steelpan
 drumstick-bite
 dumbbell
 dumpster
 dumpster-fire
 dungeon
 ear-deaf
 ear-listen
 earth-africa
 earth-americas
 earth-asia
 earth-europe
 earth-oceania
 egg
 eject
 elevator
 ellipsis
 ellipsis-vertical
 envelope
 envelope-circle-check
 envelope-o
 envelope-open
 envelope-open-o
 envelope-open-text
 envelopes-bulk
 eraser
 ethernet
 expand
 explosion
 eye
 eye-dropper
 eye-low-vision
 eye-o
 eye-slash
 eye-slash-o
 face-angry
 face-angry-o
 face-dizzy
 face-dizzy-o
 face-flushed
 face-flushed-o
 face-frown
 face-frown-o
 face-frown-open
 face-frown-open-o
 face-grimace
 face-grimace-o
 face-grin
 face-grin-beam
 face-grin-beam-o
 face-grin-beam-sweat
 face-grin-beam-sweat-o
 face-grin-hearts
 face-grin-hearts-o
 face-grin-o
 face-grin-squint

 face-grin-squint-o
 face-grin-squint-tears
 face-grin-squint-tears-o
 face-grin-stars
 face-grin-stars-o
 face-grin-tears
 face-grin-tears-o
 face-grin-tongue
 face-grin-tongue-o
 face-grin-tongue-squint
 face-grin-tongue-squint-o
 face-grin-tongue-wink
 face-grin-tongue-wink-o
 face-grin-wide
 face-grin-wide-o
 face-grin-wink
 face-grin-wink-o
 face-kiss
 face-kiss-beam
 face-kiss-beam-o
 face-kiss-o
 face-kiss-wink-heart
 face-kiss-wink-heart-o
 face-laugh
 face-laugh-beam
 face-laugh-beam-o
 face-laugh-o
 face-laugh-squint
 face-laugh-squint-o
 face-laugh-wink
 face-laugh-wink-o
 face-meh
 face-meh-blank
 face-meh-blank-o
 face-meh-o
 face-rolling-eyes
 face-rolling-eyes-o
 face-sad-cry
 face-sad-cry-o
 face-sad-tear
 face-sad-tear-o
 face-smile
 face-smile-beam
 face-smile-beam-o
 face-smile-o
 face-smile-wink
 face-smile-wink-o
 face-surprise
 face-surprise-o
 face-tired
 face-tired-o
 fan
 faucet
 faucet-drip
 fax
 feather
 feather-pointed
 ferry
 file
 file-arrow-down
 file-arrow-up
 file-audio
 file-audio-o

file-circle-check
 file-circle-exclamation
 file-circle-minus
 file-circle-plus
 file-circle-question
 file-circle-xmark
 file-code
 file-code-o
 file-contract
 file-csv
 file-excel
 file-excel-o
 file-export
 file-fragment
 file-half-dashed
 file-image
 file-image-o
 file-import
 file-invoice
 file-invoice-dollar
 file-lines
 file-lines-o
 file-medical
 file-o
 file-pdf
 file-pdf-o
 file-pen
 file-powerpoint
 file-powerpoint-o
 file-prescription
 file-shield
 file-signature
 file-video
 file-video-o
 file-waveform
 file-word
 file-word-o
 file-zipper
 file-zipper-o
 fill
 fill-drip
 film
 filter
 filter-circle-dollar
 filter-circle-xmark
 fingerprint
 fire
 fire-burner
 fire-extinguisher
 fire-flame-curved
 fire-flame-simple
 fish
 fish-fins
 flag
 flag-checkered
 flag-o
 flag-usa
 flask
 flask-vial
 floppy-disk
 floppy-disk-o
 folder
 folder-closed
















































folder-closed-o
 folder-minus
 folder-o
 folder-open
 folder-open-o
 folder-plus
 folder-tree
 font
 font-awesome
 font-awesome-o
 football
 forward
 forward-fast
 forward-step
 frog
 futbol
 futbol-o
 gamepad
 gas-pump
 gauge
 gauge-high
 gauge-simple
 gauge-simple-high
 gavel
 gear
 gears
 gem
 gem-o
 genderless
 ghost
 gift
 gifts
 glass-water
 glass-water-droplet
 glasses
 globe
 golf-ball-tee
 gopuram
 graduation-cap
 grip
 grip-lines
 grip-lines-vertical
 grip-vertical
 group-arrows-rotate
 guitar
 gun
 hammer
 hamsa
 hand
 hand-back-fist
 hand-back-fist-o
 hand-dots
 hand-fist
 hand-holding
 hand-holding-dollar
 hand-holding-droplet
 hand-holding-hand
 hand-holding-heart
 hand-holding-medical
 hand-lizard
 hand-lizard-o
 hand-middle-finger
 hand-o

















































hand-peace
 hand-peace-o
 hand-point-down
 hand-point-down-o
 hand-point-left
 hand-point-left-o
 hand-point-right
 hand-point-right-o
 hand-point-up
 hand-point-up-o
 hand-pointer
 hand-pointer-o
 hand-scissors
 hand-scissors-o
 hand-sparkles
 hand-spock
 hand-spock-o
 handcuffs
 hands
 hands-asl-interpreting
 hands-bound
 hands-bubbles
 hands-clapping
 hands-holding
 hands-holding-child
 hands-holding-circle
 hands-praying
 handshake
 handshake-angle
 handshake-o
 handshake-slash
 hanukiah
 hard-drive
 hard-drive-o
 hat-cowboy
 hat-cowboy-side
 hat-wizard
 head-side-cough
 head-side-cough-slash
 head-side-mask
 head-side-virus
 heading
 headphones
 headphones-o
 headset
 heart
 heart-circle-bolt
 heart-circle-check
 heart-circle-exclamation
 heart-circle-minus
 heart-circle-plus
 heart-circle-xmark
 heart-crack
 heart-o
 heart-pulse
 helicopter
 helicopter-symbol
 helmet-safety
 helmet-un
 hexagon
 hexagon-nodes
 hexagon-nodes-bolt
 highlighter







 hill-avalanche
 hill-rockslide
 hippo
 hockey-puck
 holly-berry
 horse
 horse-head
 hospital
 hospital-o
 hospital-user
 hot-tub-person
 hotdog
 hotel
 hourglass
 hourglass-end
 hourglass-half
 hourglass-half-o
 hourglass-o
 hourglass-start
 house
 house-chimney
 house-chimney-crack
 house-chimney-medical
 house-chimney-user
 house-chimney-window
 house-circle-check
 house-circle-exclamation
 house-circle-xmark
 house-crack
 house-fire
 house-flag
 house-flood-water
 house-flood-water-circle-arrow-right
 house-laptop
 house-lock
 house-medical
 house-medical-circle-check
 house-medical-circle-exclamation
 house-medical-circle-xmark
 house-medical-flag
 house-o
 house-signal
 house-tsunami
 house-user
 hurricane
 i-cursor
 ice-cream
 icicles
 icons
 id-badge
 id-badge-o
 id-card
 id-card-clip
 id-card-o
 igloo
 image
 image-o
 image-portrait
 images
 images-o
 inbox
 indent
 industry

 infinity
 info
 italic
 jar
 jar-wheat
 jedi
 jet-fighter
 jet-fighter-up
 joint
 jug-detergent
 kaaba
 key
 keyboard
 keyboard-o
 khanda
 kit-medical
 kitchen-set
 kiwi-bird
 land-mine-on
 landmark
 landmark-dome
 landmark-flag
 language
 laptop
 laptop-code
 laptop-file
 laptop-medical
 layer-group
 leaf
 left-long
 left-right
 lemon
 lemon-o
 life-ring
 life-ring-o
 lightbulb
 lightbulb-o
 lines-leaning
 link
 link-slash
 list
 list-check
 list-ol
 list-ul
 location-arrow
 location-crosshairs
 location-dot
 location-pin
 location-pin-lock
 lock
 lock-open
 locust
 lungs
 lungs-virus
 magnet
 magnifying-glass
 magnifying-glass-arrow-right
 magnifying-glass-chart
 magnifying-glass-dollar
 magnifying-glass-location
 magnifying-glass-minus
 magnifying-glass-plus
 map


















































 map-location
 map-location-dot
 map-o
 map-pin
 marker
 mars
 mars-and-venus
 mars-and-venus-burst
 mars-double
 mars-stroke
 mars-stroke-right
 mars-stroke-up
 martini-glass
 martini-glass-citrus
 martini-glass-empty
 mask
 mask-face
 mask-ventilator
 masks-theater
 mattress-pillow
 maximize
 medal
 memory
 menorah
 mercury
 message
 message-o
 meteor
 microchip
 microphone
 microphone-lines
 microphone-lines-slash
 microphone-slash
 microscope
 minimize
 mitten
 mobile
 mobile-button
 mobile-retro
 mobile-screen
 mobile-screen-button
 mobile-vibrate
 money-bill
 money-bill-1
 money-bill-1-o
 money-bill-1-wave
 money-bill-transfer
 money-bill-trend-up
 money-bill-wave
 money-bill-wheat
 money-bills
 money-check
 money-check-dollar
 monument
 moon
 moon-o
 mortar-pestle
 mosque
 mosquito
 mosquito-net
 motorcycle
 mound
 mountain


















































 mountain-city
 mountain-sun
 mug-hot
 mug-saucer
 music
 network-wired
 neuter
 newspaper
 newspaper-o
 non-binary
 note-sticky
 note-sticky-o
 notes-medical
 object-group
 object-group-o
 object-ungroup
 object-ungroup-o
 octagon
 oil-can
 oil-well
 om
 otter
 outdent
 pager
 paint-roller
 paintbrush
 palette
 pallet
 panorama
 paper-plane
 paper-plane-o
 paperclip
 parachute-box
 paragraph
 passport
 paste
 paste-o
 pause
 paw
 peace
 pen
 pen-clip
 pen-fancy
 pen-nib
 pen-ruler
 pen-to-square
 pen-to-square-o
 pencil
 pentagon
 people-arrows
 people-carry-box
 people-group
 people-line
 people-pulling
 people-robbery
 people-roof
 pepper-hot
 person
 person-arrow-down-to-line
 person-arrow-up-from-line
 person-biking
 person-booth
 person-breastfeeding










































 person-burst
 person-cane
 person-chalkboard
 person-circle-check
 person-circle-exclamation
 person-circle-minus
 person-circle-plus
 person-circle-question
 person-circle-xmark
 person-digging
 person-dots-from-line
 person-dress
 person-dress-burst
 person-drowning
 person-falling
 person-falling-burst
 person-half-dress
 person-harassing
 person-hiking
 person-military-pointing
 person-military-rifle
 person-military-to-person
 person-praying
 person-pregnant
 person-rays
 person-rifle
 person-running
 person-shelter
 person-skating
 person-skiing
 person-skiing-nordic
 person-snowboarding
 person-swimming
 person-through-window
 person-walking
 person-walking-arrow-loop-left
 person-walking-arrow-right
 person-walking-dashed-line-arrow-right
 person-walking-luggage
 person-walking-with-cane
 phone
 phone-flip
 phone-slash
 phone-volume
 photo-film
 piggy-bank
 pills
 pizza-slice
 place-of-worship
 plane
 plane-arrival
 plane-circle-check
 plane-circle-exclamation
 plane-circle-xmark
 plane-departure
 plane-lock
 plane-slash
 plane-up
 plant-wilt
 plate-wheat
 play
 plug























































 plug-circle-bolt
 plug-circle-check
 plug-circle-exclamation
 plug-circle-minus
 plug-circle-plus
 plug-circle-xmark
 podcast
 poo
 poo-storm
 poop
 power-off
 prescription
 prescription-bottle
 prescription-bottle-medical
 print
 pump-medical
 pump-soap
 puzzle-piece
 qrcode
 quote-left
 quote-right
 radiation
 radio
 rainbow
 ranking-star
 receipt
 record-vinyl
 rectangle-ad
 rectangle-list
 rectangle-list-o
 rectangle-xmark
 rectangle-xmark-o
 recycle
 registered
 registered-o
 repeat
 reply
 reply-all
 republican
 restroom
 retweet
 ribbon
 right-from-bracket
 right-left
 right-long
 right-to-bracket
 ring
 road
 road-barrier
 road-bridge
 road-circle-check
 road-circle-exclamation
 road-circle-xmark
 road-lock
 road-spikes
 robot
 rocket
 rotate
 rotate-left
 rotate-right
 route
 rss
 rug







































 ruler
 ruler-combined
 ruler-horizontal
 ruler-vertical
 sack-dollar
 sack-xmark
 sailboat
 satellite
 satellite-dish
 scale-balanced
 scale-unbalanced
 scale-unbalanced-flip
 school
 school-circle-check
 school-circle-exclamation
 school-circle-xmark
 school-flag
 school-lock
 scissors
 screwdriver
 screwdriver-wrench
 scroll
 scroll-torah
 sd-card
 section
 seedling
 septagon
 server
 shapes
 share
 share-from-square
 share-from-square-o
 share-nodes
 sheet-plastic
 shield
 shield-cat
 shield-dog
 shield-halved
 shield-heart
 shield-virus
 ship
 shirt
 shoe-prints
 shop
 shop-lock
 shop-slash
 shower
 shrimp
 shuffle
 shuttle-space
 sign-hanging
 signal
 signature
 signs-post
 sim-card
 single-quote-left
 single-quote-right
 sink
 sitemap
 skull
 skull-crossbones
 slash
 sleigh

 sliders
 smog
 smoking
 snowflake
 snowflake-o
 snowman
 snowplow
 soap
 socks
 solar-panel
 sort
 sort-down
 sort-up
 spa
 spaghetti-monster-flying
 spell-check
 spider
 spinner
 spiral
 spotlight
 spoon
 spray-can
 spray-can-sparkles
 square
 square-arrow-up-right
 square-binary
 square-caret-down
 square-caret-down-o
 square-caret-left
 square-caret-left-o
 square-caret-right
 square-caret-right-o
 square-caret-up
 square-caret-up-o
 square-check
 square-check-o
 square-envelope
 square-full
 square-full-o
 square-h
 square-minus
 square-minus-o
 square-nfi
 square-o
 square-parking
 square-pen
 square-person-confined
 square-phone
 square-phone-flip
 square-plus
 square-plus-o
 square-poll-horizontal
 square-poll-vertical
 square-root-variable
 square-rss
 square-share-nodes
 square-up-right
 square-virus
 square-xmark
 staff-snake
 stairs
 stamp
 stapler


 star
 star-and-crescent
 star-half
 star-half-o
 star-half-stroke
 star-half-stroke-o
 star-o
 star-of-david
 star-of-life
 stethoscope
 stop
 stopwatch
 stopwatch-20
 store
 store-slash
 street-view
 strikethrough
 stroopwafel
 subscript
 suitcase
 suitcase-medical
 suitcase-rolling
 sun
 sun-o
 sun-plant-wilt
 superscript
 swatchbook
 synagogue
 syringe
 table
 table-cells
 table-cells-column-lock
 table-cells-large
 table-cells-row-lock
 table-cells-row-unlock
 table-columns
 table-list
 table-tennis-paddle-ball
 tablet
 tablet-button
 tablet-screen-button
 tablets
 tachograph-digital
 tag
 tags
 tape
 tarp
 tarp-droplet
 taxi
 teeth
 teeth-open
 temperature-arrow-down
 temperature-arrow-up
 temperature-empty
 temperature-full
 temperature-half
 temperature-high
 temperature-low
 temperature-quarter
 temperature-three-quarters
 tent
 tent-arrow-down-to-line
 tent-arrow-left-right


















































 tent-arrow-turn-left
 tent-arrows-down
 tents
 terminal
 text-height
 text-slash
 text-width
 thermometer
 thumbs-down
 thumbs-down-o
 thumbs-up
 thumbs-up-o
 thumbtack
 thumbtack-slash
 ticket
 ticket-simple
 timeline
 toggle-off
 toggle-on
 toilet
 toilet-paper
 toilet-paper-slash
 toilet-portable
 toilets-portable
 toolbox
 tooth
 torii-gate
 tornado
 tower-broadcast
 tower-cell
 tower-observation
 tractor
 traffic-light
 trailer
 train
 train-subway
 train-tram
 transgender
 trash
 trash-arrow-up
 trash-can
 trash-can-arrow-up
 trash-can-o
 tree
 tree-city
 triangle-exclamation
 trophy
 trowel
 trowel-bricks
 truck
 truck-arrow-right
 truck-droplet
 truck-fast
 truck-field
 truck-field-un
 truck-front
 truck-medical

 truck-monster
 truck-moving
 truck-o
 truck-pickup
 truck-plane
 truck-ramp-box
 tty
 turn-down
 turn-up
 tv
 umbrella
 umbrella-beach
 underline
 universal-access
 unlock
 unlock-keyhole
 up-down
 up-down-left-right
 up-long
 up-right-and-down-left-from-center
 up-right-from-square
 upload
 user
 user-astronaut
 user-check
 user-clock
 user-doctor
 user-gear
 user-graduate
 user-group
 user-injured
 user-lock
 user-minus
 user-ninja
 user-nurse
 user-o
 user-pen
 user-plus
 user-secret
 user-shield
 user-slash
 user-tag
 user-tie
 user-xmark
 users
 users-between-lines
 users-gear
 users-line
 users-rays
 users-rectangle
 users-slash
 users-viewfinder
 utensils
 van-shuttle
 vault
 venus
 venus-double

 venus-mars
 vest
 vest-patches
 vial
 vial-circle-check
 vial-virus
 vials
 video
 video-slash
 vihara
 virus
 virus-covid
 virus-covid-slash
 virus-slash
 viruses
 voicemail
 volcano
 volleyball
 volume-high
 volume-low
 volume-off
 volume-xmark
 vr-cardboard
 walkie-talkie
 wallet
 wand-magic
 wand-magic-sparkles
 wand-sparkles
 warehouse
 water
 water-ladder
 wave-square
 web-awesome
 weight-hanging
 weight-scale
 wheat-awn
 wheat-awn-circle-exclamation
 wheelchair
 wheelchair-move
 whiskey-glass
 wifi
 wind
 window-maximize
 window-maximize-o
 window-minimize
 window-minimize-o
 window-restore
 window-restore-o
 wine-bottle
 wine-glass
 wine-glass-empty
 worm
 wrench
 x-ray
 xmark
 xmarks-lines
 yin-yang






















B List of Font Awesome brand icons

	42-group		cc-jcb		draft2digital
	500px		cc-mastercard		dribbble
	accessible-icon		cc-paypal		dropbox
	accusoft		cc-stripe		drupal
	adn		cc-visa		duolingo
	adversal		centercode		dyalog
	affiliatetheme		centos		earlybirds
	airbnb		chrome		ebay
	algolia		chromecast		edge
	alipay		cloudflare		edge-legacy
	amazon		cloudscale		elementor
	amazon-pay		cloudsmith		eleventy
	amilia		cloudversify		ello
	android		cmplid		ember
	angellist		codepen		empire
	angrycreative		codiepie		envira
	angular		confluence		erlang
	app-store		connectdevelop		ethereum
	app-store-ios		contao		etsy
	apper		cotton-bureau		evernote
	apple		cpanel		expeditedssl
	apple-pay		creative-commons		facebook
	artstation		creative-commons-by		facebook-f
	asymmetrik		creative-commons-nc		facebook-messenger
	atlassian		creative-commons-nc-eu		fantasy-flight-games
	audible		creative-commons-nc-jp		fedex
	autoprefixer		creative-commons-nd		fedora
	avianex		creative-commons-pd		figma
	aviato		creative-commons-pd-alt		files-pinwheel
	aws		creative-commons-remix		firefox
	bandcamp		creative-commons-sa		firefox-browser
	battle-net		creative-commons-sampling		first-order
	behance		creative-commons-sampling-plus		first-order-alt
	bilibili		creative-commons-share		firstdraft
	bimobject		creative-commons-zero		flickr
	bitbucket		critical-role		flipboard
	bitcoin		css		flutter
	bity		css3		fly
	black-tie		css3-alt		font-awesome
	blackberry		cuttlefish		fonticons
	blogger		d-and-d		fonticons-fi
	blogger-b		d-and-d-beyond		fort-awesome
	bluesky		dailymotion		fort-awesome-alt
	bluetooth		dart-lang		forumbee
	bluetooth-b		dashcube		foursquare
	bootstrap		debian		free-code-camp
	bots		deezer		freebsd
	brave		delicious		fulcrum
	brave-reverse		deploydog		galactic-republic
	btc		deskpro		galactic-senate
	buffer		dev		get-pocket
	buromobelexperte		deviantart		gg
	buy-n-large		dhl		gg-circle
	buysellads		diaspora		git
	canadian-maple-leaf		digg		git-alt
	cash-app		digital-ocean		github
	cc-amazon-pay		discord		github-alt
	cc-amex		discourse		gitkraken
	cc-apple-pay		disqus		gitlab
	cc-diners-club		dochub		gitter
	cc-discover		docker		glide

 glide-g
 gofore
 golang
 goodreads
 goodreads-g
 google
 google-drive
 google-pay
 google-play
 google-plus
 google-plus-g
 google-scholar
 google-wallet
 gratipay
 grav
 gripfire
 grunt
 guilded
 gulp
 hacker-news
 hackerrank
 hashnode
 hips
 hire-a-helper
 hive
 hooli
 hornbill
 hotjar
 houzz
 html5
 hubspot
 ideal
 imdb
 instagram
 instalod
 intercom
 internet-explorer
 invision
 ioxhost
 itch-io
 itunes
 itunes-note
 java
 jedi-order
 jenkins
 jira
 joget
 joomla
 js
 jsfiddle
 jxl
 kaggle
 kakao-talk
 keybase
 keycdn
 kickstarter
 kickstarter-k
 korvue
 laravel
 lastfm
 leanpub
 less
 letterboxd

 line
 linkedin
 linkedin-in
 linktree
 linode
 linux
 lumon
 lumon-drop
 lyft
 magento
 mailchimp
 mandalorian
 markdown
 mastodon
 maxcdn
 mdb
 medapps
 medium
 medrt
 meetup
 megaport
 mendeley
 meta
 microblog
 microsoft
 mintbit
 mix
 mixcloud
 mixer
 mizuni
 modx
 monero
 napster
 neos
 nfc-directional
 nfc-symbol
 nimblr
 node
 node-js
 notion
 npm
 ns8
 nutritionix
 octopus-deploy
 odnoklassniki
 odysee
 old-republic
 openai
 opencart
 openid
 opensuse
 opera
 optin-monster
 orcid
 osi
 padlet
 page4
 pagelines
 palfed
 pandora
 patreon
 paypal
 perbyte










































































 periscope
 phabricator
 phoenix-framework
 phoenix-squadron
 php
 pied-piper
 pied-piper-alt
 pied-piper-hat
 pied-piper-pp
 pinterest
 pinterest-p
 pix
 pixelfed
 pixiv
 playstation
 product-hunt
 pushed
 python
 qq
 quinscape
 quora
 r-project
 raspberrypi
 ravely
 react
 reacteurope
 readme
 rebel
 red-river
 reddit
 reddit-alien
 redhat
 renren
 replyd
 researchgate
 resolving
 rev
 rocketchat
 rockrms
 rust
 safari
 salesforce
 sass
 schlix
 screenpal
 scribd
 searchengin
 sellcast
 sellsy
 servicestack
 shirtsinbulk
 shoelace
 shopify
 shopware
 signal-messenger
 simplybuilt
 sistris
 sith
 sitrox
 sketch
 skyatlas
 skype
 slack

	slideshare
	snapchat
	soundcloud
	sourcetree
	space-awesome
	speakap
	speaker-deck
	spotify
	square-behance
	square-bluesky
	square-dribbble
	square-facebook
	square-figma
	square-font-awesome
	square-font-awesome-stroke
	square-git
	square-github
	square-gitlab
	square-google-plus
	square-hacker-news
	square-instagram
	square-js
	square-lastfm
	square-letterboxd
	square-linkedin
	square-odnoklassniki
	square-pied-piper
	square-pinterest
	square-reddit
	square-snapchat
	square-steam
	square-threads
	square-tumblr
	square-twitter
	square-upwork
	square-vimeo
	square-web-awesome
	square-web-awesome-stroke
	square-whatsapp
	square-x-twitter
	square-xing
	square-youtube
	squarespace
	stack-exchange
	stack-overflow
	stackpath

	staylinked
	steam
	steam-symbol
	sticker-mule
	strava
	stripe
	stripe-s
	stubber
	studiovinari
	stumbleupon
	stumbleupon-circle
	superpowers
	supple
	suse
	swift
	symfony
	teamspeak
	telegram
	tencent-weibo
	tex
	the-red-yeti
	themeco
	themeisle
	think-peaks
	threads
	tidal
	tiktok
	trade-federation
	trello
	tumblr
	twitch
	twitter
	typo3
	uber
	ubuntu
	uikit
	umbraco
	uncharted
	uniregistry
	unity
	unsplash
	untappd
	ups
	upwork
	usb
	usps
	ussunnah

	vaadin
	viacoin
	viadeo
	viber
	vimeo
	vimeo-v
	vine
	vk
	vnn
	vsco
	vuejs
	w3c
	watchman-monitoring
	waze
	web-awesome
	webflow
	weebly
	weibo
	weixin
	whatsapp
	whmcs
	wikipedia-w
	windows
	wirsindhandwerk
	wix
	wizards-of-the-coast
	wodu
	wolf-pack-battalion
	wordpress
	wordpress-simple
	wpbeginner
	wpexplorer
	wpforms
	wpressr
	x-twitter
	xbox
	xing
	y-combinator
	yahoo
	yammer
	yandex
	yandex-international
	yarn
	yelp
	yoast
	youtube
	zhihu

C List of Academicons icons

	academia		google-scholar		osf-square
	academia-square		google-scholar-square		overleaf
	acclaim		hal		overleaf-square
	acclaim-square		hal-square		philpapers-square
	acm		hypothesis		hippapers
	acm-square		hypothesis-square		piazza
	acmdl		ideas-repec		piazza-square
	acmdl-square		ideas-repec-square		preregistered
	ads		ieee		preregistered-square
	ads-square		ieee-square		protocols
	africarxiv		impactstory		protocols-square
	africarxiv-square		impactstory-square		psyarxiv
	archive		inaturalist		psyarxiv-square
	archive-square		inaturalist-square		publons
	arxiv		inpn		publons-square
	arxiv-square		inpn-square		pubmed
	biorxiv-square		inspire		pubmed-square
	ceur		inspire-square		pubpeer
	ceur-square		isidore		pubpeer-square
	cienca-vitae		isidore-square		researcherid
	cienca-vitae-square		isni		researcherid-square
	clarivate		isni-square		researchgate
	clarivate-square		jstor		researchgate-square
	closed-access		jstor-square		ror
	closed-access-square		lattes		ror-square
	conversation		lattes-square		sci-hub
	conversation-square		mathoverflow		sci-hub-square
	coursera		mathoverflow-square		scirate
	coursera-square		mendeley		scirate-square
	crossref		mendeley-square		scopus
	crossref-square		moodle		scopus-square
	cv		moodle-square		semantic-scholar
	cv-square		mtmt		semantic-scholar-square
	datacite		mtmt-square		springer
	datacite-square		nakala		springer-square
	dataverse		nakala-square		ssrn
	dataverse-square		obp		ssrn-square
	dblp		obp-square		stackoverflow
	dblp-square		open-access		stackoverflow-square
	depsy		open-access-square		uniE9A2
	depsy-square		open-data		viaf
	doi		open-data-square		viaf-square
	doi-square		open-materials		wiley
	dryad		open-materials-square		wiley-square
	dryad-square		openedition		zenodo
	elsevier		openedition-square		zenodo-square
	elsevier-square		orcid		zotero
	figshare		orcid-square		zotero-square
	figshare-square		osf		