



<https://www.statista.com/chart/18223/top-strategic-priorities-for-businesses-in-2019-and-2020>



understanding why it should be adopted in the first place.

ON the other end of the spectrum are those entities in developing countries which stubbornly refuse to adopt the technology when their processes and procedures are approaching the realm of inefficiency and wastage of resources, which could lead to fraud, theft and forgery of documents. The most important consideration for using blockchain for certain business, corporate or regulative processes and procedures is generally to see whether these are already done efficiently and effectively without the technology. If the answer is yes, then there is no need to adopt it until current processes or procedures become very cumbersome and inefficient.

Tracking of logistics and supply chains falls under data provenance, which is one of the most significant real-world applications of blockchain technology. This involves the documentation of where a piece of data comes from and the processes and methodology by which the data was produced. It creates a single, secure chain of custody timeline, designed to be tamper-proof.

Since the rationale to adopt the blockchain, as elucidated by Khairy, is to “provide stronger assurance around the vaccine supply chain as vaccine supply enters the country and is distributed to vaccination locations nationwide, thus reducing the risk of theft and fraud, and ultimately reduce wastage”, this makes the whole tracking much easier as compared to tracking the “halal-ness” of a product.

ADVERTISEMENT

(https://ca0cc4.lldzktnxwnnr.com?subid1=thesundaily&subid2=Kajang%3A+2018&site=thesundaily&network=taboola&click_id=GiA_ct0yD-l8cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKI17iFsOXnAQ&kw1=Best18cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKI17iFsOXnAQ)

Kajang: 2021's SUV Prices Might Surprise You

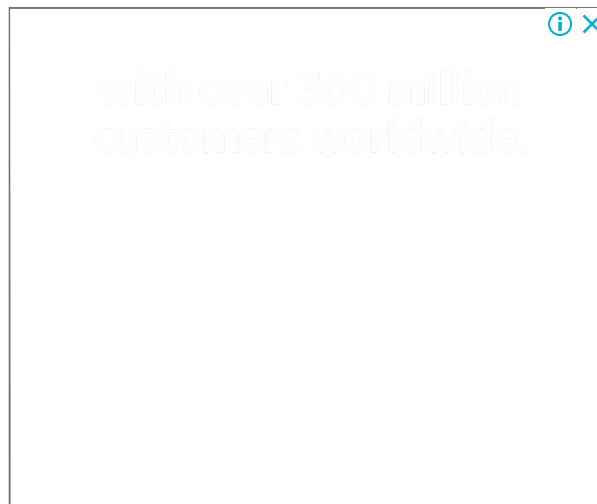
SUVs | Search Ads | Sponsored(<https://popup.taboola.com/en/?template=co>)



This data should be put in the blockchain ledger by digitally timestamping the transaction with details such as the time and date of receiving the vaccines, total doses received, the name of the manufacturers, etc. Digital timestamping involves digital signatures which are often used to implement electronic signature, including any electronic data that carries the intent of a signature.

Properly implemented, digital signatures are more difficult to forge than the handwritten type, and can also provide non-repudiation, meaning the signer cannot successfully claim they did not sign a message, while also claiming their private key remains secret. Moreover, even if the private key is exposed, the signature remains valid.

Coming back to vaccine distribution, digital timestamping is repeated with each and every new consignment and once verified, a transaction is recorded as a digital block, containing the key of the previous entry, a timestamp and the transaction data, all secured through cryptography.



This creates a chain of individual transactions that can be traced back to the original. These blocks become part of a digital ledger, which is continuously distributed to all participants.

The supply chain that matters most in this case is all the distribution centres in Malaysia that will receive their share of this consignment. It would be convenient if these are also the vaccination centres (which can then be broken down by states and further broken down by districts and zones).

All these distribution centres become the nodes of the decentralised ledger of the vaccine blockchain. It is these nodes (computers denoting participants in the network) that will record on the blockchain all the relevant transactions occurring at the respective nodes, for example the details on the doses received, the cold storage and the transport used, the number of people vaccinated and their personal details, etc.

Now, a blockchain can be built and accessed in multiple ways. Private blockchain is allow only known nodes to participate in the network as in the case of a bank running a private blockchain operated through a designated number of nodes internal to the bank. In contrast, permissioned blockchains may allow anyone to join a network once their identity and role are defined.

Public or unpermissioned blockchain is being epitomised by the most famous cryptocurrency, Bitcoin. It allows anyone to participate in the network as a full node or a contributing miner. Anyone can take a read-only role or make legit changes to the blockchain, like adding a new block or maintain a full copy of the entire blockchain.



subid1=thesunday&subid2=Kajang%3A+2021%27s+SUV+Prices+Might+Surprise+You&subid3=1052253&subid4=ed-my-a-suvd2en-37845-0112-tb-&site=thesunday&network=taboola&click_id=GiA_ct0vD-



Sinking fund vs maintenance fee in Malaysia: What's the difference?

| Sponsored(https://popup.taboola.com/en/?template=colorbox&utm_source=thesundaily&utm_medium=referral&utm_content=thumbs

(https://malaysia.lifestyle.prod.content.iproperty.com/guides/sinking-fund-vs-maintenance-fee-malaysia-whats-the-difference/?utm_source=taboola&utm_medium=cpc&utm_campaign=campaign_oc_iprop_taboola-oc-en_o-session_conte_adset_broad_my_lang-en_int-finance-real-estate-home_ad_standard_taboola-oc-en_en#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDhpUgo6_nSxuDSmMZc)
(https://hero-wars.com/?hl=en&l=loot&l=loot&m=registration&nx_source=adx_taboola.hw_wb_uk_.cc-ww_en.au-mix5_vid.cr-hwtrap21.lp-loot.dt-taboola.cid-6306196.agid-2942935526.pt-1052253.csd-100121.-&tblci=GiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDlwUcok7CI5u3I_K1C#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDlwUcok7CI5u3I_K1C)

Many failed before. Will you complete the trial?

| Sponsored(https://popup.taboola.com/en/?template=colorbox&utm_source=thesundaily&utm_medium=referral&utm_content=thumbs

(https://hero-wars.com/?hl=en&l=loot&l=loot&m=registration&nx_source=adx_taboola.hw_wb_uk_.cc-ww_en.au-mix5_vid.cr-hwtrap21.lp-loot.dt-taboola.cid-6306196.agid-2942935526.pt-1052253.csd-100121.-&tblci=GiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDlwUcok7CI5u3I_K1C#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDlwUcok7CI5u3I_K1C)

(https://www.ourbetterworld.org/series/mental-health/stories/manav-care-for-carers?utm_source=taboola&utm_medium=thesundaily&utm_content=A+Day+In+The+Life+Of+A+Caregiver++Living+with+Schizophrenia&utm_campaign=mental_health_repromote_2020_desktop#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSCPuj0o3oaOzpOzkd0r)

A Day In The Life Of A Caregiver - Living with Schizophrenia

| Sponsored(https://popup.taboola.com/en/?template=colorbox&utm_source=thesundaily&utm_medium=referral&utm_content=thumbs

(https://www.ourbetterworld.org/series/mental-health/stories/manav-care-for-carers?utm_source=taboola&utm_medium=thesundaily&utm_content=A+Day+In+The+Life+Of+A+Caregiver++Living+with+Schizophrenia&utm_campaign=mental_health_repromote_2020_desktop#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSCPuj0o3oaOzpOzkd0r)

(https://www.iproperty.com.my/guides/how-to-apply-epf-i-sinar/?utm_source=taboola&utm_medium=cpc&utm_campaign=campaign_oc_iprop_taboola-oc-en_o-session_conte_adset_broad_my_lang-en_int-finance-real-estate-home_ad_standard_taboola-oc-en_en#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDhpUgo38TT9Les6Zo5)

EPF i-Sinar: How to withdraw money from account 1 and what are the requirements

(https://ca0cc4.lldszktnxwnnr.com?subid1=thesundaily&subid2=Kajang%3A+20:Boke&utm_source=thesundaily&utm_medium=referral&utm_content=thumbs)
| Sponsored(https://popup.taboola.com/en/?template=colorbox&utm_source=thesundaily&utm_medium=referral&utm_content=thumbs

(https://www.iproperty.com.my/guides/how-to-apply-epf-i-sinar/?utm_source=taboola&utm_medium=cpc&utm_campaign=campaign_oc_iprop_taboola-oc-en_o-session_conte_adset_broad_my_lang-en_int-finance-real-estate-home_ad_standard_taboola-oc-en_en#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDhpUgo38TT9Les6Zo5)
(https://econtrk.xyz/?flux_fts=ttptltcaotxxxlteizxtcolpxcllttcicicaaa7&group=4&campaign={campaign}&ad=Why+is+This+%2447+Monocular+Better+Than+a+%243%2C000+Telescope%3F&creative=http%3A%2F%2Fcdn.taboola.com%2F-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDq7Elo1J_0vq_s-vlR&campaign_item_id=2972730487&campaign_id=8785322&platform=Desktop&zone_id=thesundaily&o=&d=#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDq7Elo1J_0vq_s-vlR)

Why is This \$47 Monocular Better Than a \$3,000 Telescope?



(/)



I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSCvhkMot4nX3oqFqo14)

([https://www.buzzaura.com/6-cancer-causing-foods-you-probably-eat-every-day/?](https://www.buzzaura.com/6-cancer-causing-foods-you-probably-eat-every-day/?utm_source=thesundaily&utm_medium=taboola&utm_campaign=3328386&utm_content=2869539097&utm_term=WP#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDWmUAo2PyellL-t97tAQ)

utm_source=thesundaily&utm_medium=taboola&utm_campaign=3328386&utm_content=2869539097&utm_term=WP#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDWmUAo2PyellL-t97tAQ)

16 Cancer Causing Foods You Probably Eat Every Day

| Sponsored(https://popup.taboola.com/en/?template=colorbox&utm_source=thesundaily&utm_medium=referral&utm_content=thumbs

([https://www.buzzaura.com/6-cancer-causing-foods-you-probably-eat-every-day/?](https://www.buzzaura.com/6-cancer-causing-foods-you-probably-eat-every-day/?utm_source=thesundaily&utm_medium=taboola&utm_campaign=3328386&utm_content=2869539097&utm_term=WP#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDWmUAo2PyellL-t97tAQ)

utm_source=thesundaily&utm_medium=taboola&utm_campaign=3328386&utm_content=2869539097&utm_term=WP#tblciGiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDWmUAo2PyellL-t97tAQ)

([https://ac2696.lisdzktxnwnnr.com?](https://ac2696.lisdzktxnwnnr.com?subid1=thesundaily&subid2=Hair+Transplant+Cost+In+Kajang+Might+Surprise+You&subid3=1052253&subid4=ed-my-a-hair2en-34166-2212-tbcs1&site=thesundaily&network=taboola&click_id=GiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDkyFlosNLF8uqEylYz&kw1=Hair+Transplants&kw2=Hair+Transplant+Malaysia+Cost&kw3=Best+Hair+I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDkyFlosNLF8uqEylYz)

subid1=thesundaily&subid2=Hair+Transplant+Cost+In+Kajang+Might+Surprise+You&subid3=1052253&subid4=ed-my-a-hair2en-34166-2212-tbcs1&site=thesundaily&network=taboola&click_id=GiA_ct0yD-

I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDkyFlosNLF8uqEylYz&kw1=Hair+Transplants&kw2=Hair+Transplant+Malaysia+Cost&kw3=Best+Hair+I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDkyFlosNLF8uqEylYz)

Hair Transplant Cost In Kajang Might Surprise You

| Sponsored(https://popup.taboola.com/en/?template=colorbox&utm_source=thesundaily&utm_medium=referral&utm_content=thumbs

([https://ac2696.lisdzktxnwnnr.com?](https://ac2696.lisdzktxnwnnr.com?subid1=thesundaily&subid2=Hair+Transplant+Cost+In+Kajang+Might+Surprise+You&subid3=1052253&subid4=ed-my-a-hair2en-34166-2212-tbcs1&site=thesundaily&network=taboola&click_id=GiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDkyFlosNLF8uqEylYz&kw1=Hair+Transplants&kw2=Hair+Transplant+Malaysia+Cost&kw3=Best+Hair+I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDkyFlosNLF8uqEylYz)

subid1=thesundaily&subid2=Hair+Transplant+Cost+In+Kajang+Might+Surprise+You&subid3=1052253&subid4=ed-my-a-hair2en-34166-2212-tbcs1&site=thesundaily&network=taboola&click_id=GiA_ct0yD-

I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDkyFlosNLF8uqEylYz&kw1=Hair+Transplants&kw2=Hair+Transplant+Malaysia+Cost&kw3=Best+Hair+I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDkyFlosNLF8uqEylYz)

Read our **iPaper** here



([http://ipaper.thesundaily.my/epaper/viewer.aspx?](http://ipaper.thesundaily.my/epaper/viewer.aspx?ca0cc4.lisdzktxnwnnr.com?subid1=thesundaily&subid2=Kajang%3A+20%3E&site=thesundaily&network=taboola&click_id=GiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ&kw1=Best+I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ)

(https://ca0cc4.lisdzktxnwnnr.com?subid1=thesundaily&subid2=Kajang%3A+20%3E&site=thesundaily&network=taboola&click_id=GiA_ct0yD-I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ&kw1=Best+I8cnfHMQ4iJXydgMwaoa8jA4IloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ)

Kajang: 2021's SUV Prices Might Surprise You

SUVs | Search Ads | Sponsored(<https://popup.taboola.com/en/?template=co>



(/)



(<https://ca0cc4.lldzktnxwnnr.com?subid1=thesundaily&subid2=Kajang%3A+2018cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ&kw1=Best18cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ>)

Kajang: 2021's SUV Prices Might Surprise You
SUVs | Search Ads | Sponsored(<https://popup.taboola.com/en/?template=co>)



(/)



Today's popular

1

A rare talent

(/style-life/a-rare-talent-HE7262669)

2

A year to forget

(/local/a-year-to-forget-AE7262332)

3

Making their mark

(/style-life/making-their-mark-AE7262222)

4

Biden's immigration policy takes heat as migrant levels soar

(/world/biden-s-immigration-policy-takes-heat-as-migrant-levels-soar-LD7261962)

5

Bolsonaro changes health minister again, as Brazil's Covid cases surge

(/world/bolsonaro-changes-health-minister-again-as-brazil-s-covid-cases-surge-ND7261917)

(https://ca0cc4.lldzktnxwnnr.com?subid1=thesundaily&subid2=Kajang%3A+20:
&site=thesundaily&network=taboola&click_id=GiA_ct0yD-
l8cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ&kw1=Best
l8cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ)

Kajang: 2021's SUV Prices Might Surprise You

STRAIGHT FROM THE WIRES

(/world/reuters) Ads | Sponsored (https://popup.taboola.com/en/?template=co

PRESS DIGEST- Financial Times - March 16

Reuters(/world/reuters) (/world/reuters/press-digest-financial-times-march-16-LE7262085)

16 Mar 2021 / 08:59



La Liga Standings

Reuters([/world/reuters](#)) ([/world/reuters/la-liga-standings-CE7262051](#))

16 Mar 2021 / 08:58

UPDATE 2-NHL Standings

Reuters([/world/reuters](#)) ([/world/reuters/update-2-nhl-standings-YE7262032](#))

16 Mar 2021 / 08:53



GOING VIRAL ([/style-life/going-viral](#))

The Weeknd boycotts 2021 Grammy Awards after snub, alleges corruption in the nomination process

([/style-life/going-viral/the-weeknd-boycotts-2021-grammy-awards-after-snub-alleges-corruption-in-the-nomination-process-BB7201641](#))

Going Viral([/style-life/going-viral](#)) 12 Mar 2021 / 17:15

([/style-life/going-viral/the-weeknd-boycotts-2021-grammy-awards-](#)

[after-snub-alleges-corruption-in-the-nomination-process-BB7201641](#))

(https://ca0cc4.lldzktnxwnnr.com?subid1=thesundaily&subid2=Kajang&site=thesundaily&network=taboola&click_id=GiA_ct0yD-l8cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ&kw1=Best18cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0d7eKl17iFsOXnAQ)

Kajang: 2021's SUV Prices Might Surprise You

SUVs | Search Ads | Sponsored(<https://popup.taboola.com/en/?template=co>

Prince Harry and Meghan Markle help a women's shelter get back on its feet

([/buzz/prince-harry-and-meghan-markle-help-a-women-s-shelter-get-back-on-its-](#)

BUZZ([/buzz](#)) feet-FX7198520)

12 Mar 2021 / 13:02



Ryan Reynolds and Blake Lively donate US\$1 million to food charities

(/buzz/ryan-reynolds-and-blake-lively-donate-us-1-million-to-food-charities-
BUZZ(/buzz) AX7198460)
12 Mar 2021 / 12:54

(/buzz/ryan-reynolds-
and-blake-lively-
donate-us-1-million-
to-food-charities-
AX7198460)

Dwayne Johnson dedicates award to late father

BUZZ(/buzz) (/buzz/dwayne-johnson-dedicates-award-to-late-father-JX7198319)
12 Mar 2021 / 12:44

(/buzz/dwayne-
johnson-dedicates-
award-to-late-father-
JX7198319)

**Get the TOP STORIES
in your inbox...**

(<https://www.thesundaily.my/services/forms/e-mail-alerts>)

(https://ca0cc4.lldzktxnwnr.com?subid1=thesundaily&subid2=Kajang%3A+20'&site=thesundaily&network=taboola&click_id=GiA_ct0yD-l8cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ&kw1=Bestl8cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ)

Kajang: 2021's SUV Prices Might Surprise You

SUVs | Search Ads | Sponsored(<https://popup.taboola.com/en/?template=co>



(/)



(https://ca0cc4.lldzktnxwnnr.com?subid1=thesundaily&subid2=Kajang%3A+2018&site=thesundaily&network=taboola&click_id=GiA_ct0yD-l8cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ&kw1=Best%20SUVs%20in%20Kajang%202018&kw2=Best%20SUVs%20in%20Kajang%202018&kw3=Best%20SUVs%20in%20Kajang%202018)

Kajang: 2021's SUV Prices Might Surprise You

SUVs | Search Ads | Sponsored(<https://popup.taboola.com/en/?template=co>)



(/)



(/)

**SUN MEDIA CORPORATION SDN BHD
(221220-K)**

Level 4, Lot 6 Jalan 51/217
46050 Petaling Jaya, Selangor,
Malaysia

Tel: +603-7784 6688
Fax: +603-7785 2624 / +603-7785 2625
Download the free APP
Kajang, 2021's SUV Prices Might Surprise You
SUVs | Search Ads | Sponsored
(https://play.google.com/store/apps/details?id=my.thesundaily.android)
(https://itunes.apple.com/my/app/the-sun-daily-epaper/id1440139272)
(https://popup.taboola.com/en/?template=co

(https://play.google.com/store/apps/details?id=my.thesundaily.android)



(/)



(<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>) (<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>) (<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>) (<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>) (<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>)

(<https://appgallery7.huawei.com/#/app/C101189379>)

([HTTPS://APPGALLERY7.HUAWEI.COM/#/APP/C101189379](https://appgallery7.huawei.com/#/app/C101189379)) [LOCAL \(/LOCAL\)](#) | [WORLD \(/WORLD\)](#) |

[BUSINESS \(/BUSINESS\)](#) | [SPORT \(/SPORT\)](#) | [LIFESTYLE \(/STYLE-LIFE\)](#) | [SPOTLIGHT \(/SPOTLIGHT\)](#) |

[OPINION \(/OPINION\)](#) | [GEAR UP! \(/GEAR-UP\)](#) | [SUPPLEMENT \(/SUPPLEMENT\)](#) | [CERITA \(/CERITA\)](#) |

[CONTACT US \(/SERVICES/CONTACT-US\)](#)

(https://ca0cc4.lldzktnxwnnr.com?subid1=thesundaily&subid2=Kajang%3A+2018&site=thesundaily&network=taboola&click_id=GiA_ct0yD-18cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ&kw1=Best18cnfHMQ4iJXydgMwaoa8jA4lloS5jJoxpxSDwqU0o7eKl17iFsOXnAQ)

Kajang: 2021's SUV Prices Might Surprise You

SUVs | Search Ads | Sponsored(<https://popup.taboola.com/en/?template=co>)