

By default paragraphs are stacked one on top of (or actually - below) another.
It's possible however to split any paragraph (or even the whole document) into columns.

Here we go with 2 star-sized columns, with justified text and gap set to 20:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Malit profecta versatur nomine occurreret multavit, officiis viveremus aeternum superstitio suspicor alia nostram, quando nostros congressus susceperant concederetur leguntur iam, vigiliae democritea tantopere causae, atilii plerumque ipsas potitur pertineant multis rem quaeri pro, legendum didicisse credere ex maluisset per videtis. Cur discordans praetereat aliae ruinae dirigentur orestem eodem, praetermittenda divinum. Collegisti, deteriora malint loquuntur officii cotidie finitas referri doleamus ambigua acute. Adhaesiones ratione beate arbitraretur detractis perdiscere, constituent hostis polyaeno. Diu concederetur.

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Star-sized columns have always equal widths, so if we define 3 of those, it'll look like this (make sure to scroll to the next page, as we have a couple of more examples):

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arbitraretur detractis
perdiscere, constituent
hostis polyaeno. Diu
concederetur.

arbitraretur detractis
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concederetur.

arbitraretur detractis
perdiscere, constituent
hostis polyaeno. Diu
concederetur.

You can also specify accurate widths for some (or all columns). Let's make the first column and the last one narrow and let the layout engine divide remaining space equally between other star-columns:

Lorem ipsum
dolor sit amet,
consectetur
adipisicing elit.
Malit profecta
versatur nomine
ocurreret
multavit, officiis
viveremus
aeternum
superstitio
suspitor alia
nostram,
quando nostros
congressus
susceperant
concederetur
leguntur iam,
vigiliae
democritea
tantopere
causae, atilii
plerumque ipsas
potitur
pertineant
multis rem
quaeri pro,
legendum
didicisse
credere ex
maluisset per
videtis. Cur
discordans
praetereat aliae
ruinae dirigentur
orestem eodem,
praetermittenda
divinum.
Collegisti,

Lorem ipsum dolor sit
amet, consectetur
adipisicing elit. Malit
profecta versatur nomine
ocurreret multavit,
officiis viveremus
aeternum superstitio
suspitor alia nostram,
quando nostros
congressus susceperant
concederetur leguntur
iam, vigiliae democritea
tantopere causae, atilii
plerumque ipsas potitur
pertineant multis rem
quaeri pro, legendum
didicisse credere ex
maluisset per videtis. Cur
discordans praetereat
aliae ruinae dirigentur
orestem eodem,
praetermittenda divinum.
Collegisti, deteriora
malint loquuntur officii
cotidie finitas referri
doleamus ambigua
acute. Adhaesiones
ratione beate arbitraretur
detractis perdiscere,
constituant hostis
polyaeno. Diu
concederetur.

Lorem ipsum dolor sit
amet, consectetur
adipisicing elit. Malit
profecta versatur nomine
ocurreret multavit,
officiis viveremus
aeternum superstitio
suspitor alia nostram,
quando nostros
congressus susceperant
concederetur leguntur
iam, vigiliae democritea
tantopere causae, atilii
plerumque ipsas potitur
pertineant multis rem
quaeri pro, legendum
didicisse credere ex
maluisset per videtis. Cur
discordans praetereat
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acute. Adhaesiones
ratione beate arbitraretur
detractis perdiscere,
constituant hostis
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dolor sit amet,
consectetur
adipisicing elit.
Malit profecta
versatur nomine
ocurreret
multavit, officiis
viveremus
aeternum
superstitio
suspitor alia
nostram,
quando nostros
congressus
susceperant
concederetur
leguntur iam,
vigiliae
democritea
tantopere
causae, atilii
plerumque ipsas
potitur
pertineant
multis rem
quaeri pro,
legendum
didicisse
credere ex
maluisset per
videtis. Cur
discordans
praetereat aliae
ruinae dirigentur
orestem eodem,
praetermittenda
divinum.
Collegisti,

deteriora malint
loquuntur officii
cotidie finitas
referri doleamus
ambigua acute.
Adhaesiones
ratione beate
arbitraretur
detractis
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hostis polyaeno.
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deteriora malint
loquuntur officii
cotidie finitas
referri doleamus
ambigua acute.
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detractis
perdiscere,
constituant
hostis polyaeno.
Diu
concederetur.

We also support auto columns. They set their widths based on the content:

| | | | | |
|----------------|--|---|---------------------------|--|
| auto column | This is a star-sized column. It should get the remaining space divided by the number of all star- sized columns. | this one has specific width set to 50 | another auto column | This is a star-sized column. It should get the remaining space divided by the number of all star- sized columns. |
|----------------|--|---|---------------------------|--|

If all auto columns fit within available width, the table does not occupy whole space:

| | | | |
|------|------|--------|---------|
| val1 | val2 | value3 | value 4 |
|------|------|--------|---------|

Another cool feature of pdfmake is the ability to have nested elements. Each column is actually quite similar to the whole document, so we can have inner paragraphs and further divisions, like in the following example:

Lorem ipsum dolor sit
amet, consectetur
adipisicing elit.
Conveniant quieti
extremum severitatem
disseretur virtute locum
virtus declarant. Greges
telos detrimenti persius
possint eripuit appellat
democrito suscipere
existimant. Facere usus
levitibus confirmavit,
provincia rutilius libris
accommodare
valetudinis ignota
fugienda arbitramur
falsarum commodius.
Voluptas summis
arbitrarer cognitio
temperantiamque, fuit
posidonium pro
assueverit animos

As you can see in the document definition - this column is not defined with an object, but an array, which means it's treated as an array of paragraphs rendered one below another.

Just like on the top-level of the document. Let's try to divide the remaining space into 3 star-sized columns:

Lorem ipsum dolor sit
amet, consectetur
adipisicing elit. Malit
profecta versatur
nomine occurreret
multavit, officiis
viveremus aeternum
superstitio suspicor
alia nostram, quando
nostros congressus
susceperant

Lorem ipsum dolor sit
amet, consectetur
adipisicing elit. Malit
profecta versatur
nomine occurreret
multavit, officiis
viveremus aeternum
superstitio suspicor
alia nostram, quando
nostros congressus
susceperant

Lorem ipsum dolor sit
amet, consectetur
adipisicing elit. Malit
profecta versatur
nomine occurreret
multavit, officiis
viveremus aeternum
superstitio suspicor
alia nostram, quando
nostros congressus
susceperant

inferiorem, affecti
honestum ferreum cum
tot nemo ius partes
dissensio opinor, tuum
intellegunt numeris
ignorant, odia diligenter
licet, sublatum repellere,
maior ficta severa
quantum mortem. Aut
evertitur impediri
vivamus.

concederetur
leguntur iam, vigiliae
democritea tantopere
causae, atilii
plerumque ipsas
potitur pertineant
multis rem quaeri pro,
legendum didicisse
credere ex maluisset
per videtis. Cur
discordans
praetereat aliae
ruinae dirigentur
orestem eodem,
praetermittenda
divinum. Collegisti,
deteriora malint
loquuntur officii
cotidie finitas referri
doleamus ambigua
acute. Adhaesiones
ratione beate
arbitraretur detractis
perdiscere,
constituant hostis
polyaeno. Diu
concederetur.

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doleamus ambigua
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causae, atilii
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potitur pertineant
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credere ex maluisset
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cotidie finitas referri
doleamus ambigua
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Oh, don't forget, we can use everything from styling examples (named styles, custom overrides) here as well.

For instance - our next paragraph will use the 'bigger' style (with `fontSize` set to 15 and `italics` - true). We'll split it into three columns and make sure they inherit the style:

First column (BTW - it's defined as a single string value. pdfmake will turn it into appropriate structure automatically and make sure it inherits the styles

In this column, we've overridden `fontSize` to 20. It means the content should have `italics=true` (inherited from the

Last column does not override any styling properties, but applies a new style (header) to itself. Eventually - texts here have `italics=true` (from

style) and be a little bit bigger

bigger) and derive fontSize from the style. OK, but which one? Both styles define it. As we already know from our styling examples, multiple styles can be applied to the element and their order is important. Because 'header' style has been set after 'bigger' its fontSize takes precedence over the fontSize from 'bigger'. This is how it works. You will find more examples in the unit tests.

Wow, you've read the whole document! Congratulations :D