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Overview

Key features include:

- Arithmetic expressions: Row-wise operations are as simple as string expressions with field names
- **Aggregation**: Any function that operates on an array of values can perform row-wise or column-wise aggregation

• Data representation: Handle displaying currencies, floats, integers, and more with ease and arbitrary customization

Note: This library is in early development. The API is subject to change especially as typst adds more support for user-defined types. **Backwards compatibility is not guaranteed!** Handling of field info, value types, and more may change substantially with more user feedback.

Importing

Ta Da can be imported as follows:

From the official packages repository (recommended):

```
#import "@preview/tada:version"
```

From the source code (not recommended)

Option 1: You can clone the package directly into your project directory:

```
# In your project directory
git clone https://github.com/ntjess/typst-tada.git tada
```

Then import the functionality with

```
#import "./tada/lib.typ"
```

Option 2: If Python is available on your system, use the provided packaging script to install Ta Da in typst's local directory:

Now, Ta Da is available under the local namespace:

```
#import "@local/tada:version"
```

Table adjustment

Creation

Ta Da provides three main ways to construct tables – from columns, rows, or records.

- Columns are a dictionary of field names to column values. Alternatively, a 2D array of columns can be passed to from-columns, where values.at(0) is a column (belongs to one field).
- Records are a 1D array of dictionaries where each dictionary is a row.
- * Rows are a 2D array where values.at(0) is a row (has one value for each field). Note that if rows are given without field names, they default to (0, 1, ...n).

```
1 #let column-data = (
     name: ("Bread", "Milk", "Eggs"),
2
3
     price: (1.25, 2.50, 1.50),
4
     quantity: (2, 1, 3),
5)
6 #let record-data = (
     (name: "Bread", price: 1.25, quantity: 2),
     (name: "Milk", price: 2.50, quantity: 1),
9
     (name: "Eggs", price: 1.50, quantity: 3),
10 )
11 #let row-data = (
12 ("Bread", 1.25, 2),
13 ("Milk", 2.50, 1),
14 ("Eggs", 1.50, 3),
15 )
16
17 // See `importing tada` above for reference
18 #import tada: TableData
19 #let td = TableData(data: column-data)
20 // Equivalent to:
21 #let td2 = tada.from-records(record-data)
22 // _Not_ equivalent to (since fields are unknown):
23 #let td3 = tada.from-rows(row-data)
25 // Show using `to-tablex`
26 // #let to-tablex = tada.to-tablex
27 #to-tablex(td)
28 #to-tablex(td2)
29 #to-tablex(td3)
```

name	price	quantity
Bread	1.25	2
Milk	2.5	1
Eggs	1.5	3

name	price	quantity
Bread	1.25	2
Milk	2.5	1
Eggs	1.5	3

0	1	2
Bread	1.25	2
Milk	2.5	1
Eggs	1.5	3

Title formatting

You can pass any content as a field's title. Note: if you pass a string, it will be evaluated as markup.

```
1 #let fmt(it) = {
2 heading(outlined: false,
3
      upper(it.at(0))
       + it.slice(1).replace("_", " ")
4
5
     )
6 }
7
8 #let titles = (
   name: (title: fmt), // as a function
10
    quantity: (title: fmt("Qty")), // as a string
..td.field-info,
12)
13 // You can also provide defaults for any unspecified
  field info
14 #let defaults = (title: fmt)
15 #let td = TableData(..td, field-info: titles, field-
   defaults: defaults)
16
17 #to-tablex(td)
```

Name	Price	Quantity
Bread	1.25	2
Milk	2.5	1
Eggs	1.5	3

Using __index

Ta Da will automatically add an __index field to each row that is hidden by default. If you want it displayed, update its information to set hide: false :

```
1 // Use the helper function `update-fields` to update
    multiple fields
2 // and/or attributes
3 #import tada: update-fields
4 #let td = update-fields(
5 td, __index: (hide: false, title: "\#")
6 )
7 // You can also insert attributes directly:
8 // #td.field-info.__index.insert("hide", false)
9 // etc.
10 #to-tablex(td)
```

#	Name	Price	Quantity
0	Bread	1.25	2
1	Milk	2.5	1
2	Eggs	1.5	3

Value formatting

type

Type information can have attached metadata that specifies alignment, display formats, and more.

Available types and their metadata are: (

```
string: (default-value: "", align: left),
content: (display: format-content, align: left),
float: (align: right),
integer: (align: right),
percent: (display: format-percent, align: right),
index: (align: right),
```

). While adding your own default types is not yet supported, you can simply defined a dictionary of specifications and pass its keys to the field

```
1 #let currency-info = (
2  display: tada.display.format-usd, align: right
3 )
4 #td.field-info.insert("price", (type: "currency"))
5 #let td = TableData(..td, type-info: ("currency": currency-info))
6 #to-tablex(td)
```

#	Name	Price	Quantity
0	Bread	\$1.25	2
1	Milk	\$2.50	1
2	Eggs	\$1.50	3

Transposing

result. To avoid the error, explicitly pass ignore-types: true . You can choose whether to keep field names as an additional column by passing a string to fields-name that is evaluated as markup:

```
1 #to-tablex(
2  tada.transpose(
3  td, ignore-types: true, fields-name: ""
4  )
5 )
```

	0	1	2
name	Bread	Milk	Eggs
price	1.25	2.5	1.5
quantity	2	1	3

display

If your type is not available or you want to customize its display, pass a display function that formats the value, or a string that accesses value in its scope:

```
1 #td.field-info.at("quantity").insert(
2  "display",
3  val => ("/", "One", "Two", "Three").at(val),
4 )
5
6 #let td = TableData(..td)
7 #to-tablex(td)
```

#	Name	Price	Quantity
0	Bread	\$1.25	Two
1	Milk	\$2.50	One
2	Eggs	\$1.50	Three

align etc.

You can pass align and width to a given field's metadata to determine how content aligns in the cell and how much horizontal space it takes up. In the future, more tablex setup arguments will be accepted.

```
1 #let adjusted = update-fields(
2 td, name: (align: center, width: 1fr)
3 )
4 #to-tablex(adjusted)
```

#	Name	Price	Quantity
0	Bread	\$1.25	Two
1	Milk	\$2.50	One
2	Eggs	\$1.50	Three

Deeper tablex customization

TaDa uses tablex to display the table. So any argument that tablex accepts can be passed to TableData as well:

```
1 #let mapper = (index, row) => {
2 let fill = if index == 0 {rgb("#8888")} else {none}
3
    row.map(cell => (..cell, fill: fill))
4 }
5 #let td = TableData(
6
     ..td,
7
    tablex-kwargs: (
8
       map-rows: mapper, auto-vlines: false
9
     ),
10)
11 #to-tablex(td)
```

#	Name	Price	Quantity
0	Bread	\$1.25	Two
1	Milk	\$2.50	One
2	Eggs	\$1.50	Three
	·		

Subselection

You can select a subset of fields or rows to display:

```
1 #import tada: subset
2 #to-tablex(
3 subset(td, indexes: (0,2), fields: ("name", "price"))
4 )
```

Name	Price
Bread	\$1.25
Eggs	\$1.50

Note that indexes is based on the table's __index column, not it's positional index within the table:

```
1 #let td2 = td
2 #td2.data.insert("__index", (1, 2, 2))
3 #to-tablex(
4 subset(td2, indexes: 2, fields: ("__index", "name"))
5 )
# Name
2 Milk
2 Eggs
```

Rows can also be selected by whether they fulfill a field condition:

```
1 #to-tablex(
2 tada.filter(td, expression: "price < 1.5")
3 )</pre>
```

#	Name	Price	Quantity
0	Bread	\$1.25	Two

Concatenation

Concatenating rows and columns are both supported operations, but only in the simple sense of stacking the data. Currently, there is no ability to join on a field or otherwise intelligently merge data.

- axis: 0 places new rows below current rows
- axis: 1 places new columns to the right of current columns
- Unless you specify a fill value for missing values, the function will panic if the tables do not match exactly along their concatenation axis.
- You cannot stack with axis: 1 unless every column has a unique field name.

```
1 #import tada: stack
2
3 #let td2 = TableData(
4
     data: (
5
       name: ("Cheese", "Butter"),
6
       price: (2.50, 1.75),
7
     )
8 )
9 #let td3 = TableData(
10 data: (
       rating: (4.5, 3.5, 5.0, 4.0, 2.5),
11
12
    )
13)
14
15 // This would fail without specifying the fill
16 // since `quantity` is missing from `td2`
17 #let stack-a = stack(td, td2, missing-fill: 0)
18 #let stack-b = stack(stack-a, td3, axis: 1)
19 #to-tablex(stack-b)
```

Name	Price	Quantity	Rating
Bread	1.25	Two	4.5
Milk	2.5	One	3.5
Eggs	1.5	Three	5
Cheese	2.5	/	4
Butter	1.75	/	2.5

Operations

Expressions

The easiest way to leverage $\boxed{\text{Ta} \ \text{Da}}$'s flexibility is through expressions. They can be strings that treat field names as variables, or functions that take keyword-only arguments.

• **Note!** When passing functions, every field is passed as a named argument to the function. So, make sure to capture unused fields with ..rest (the name is unimportant) to avoid errors.

```
1 #let td = update-fields(
2
    td,
3
   total: (
4
     expression: "price * quantity",
5
     type: "currency",
6
    ),
7)
9 // Expressions can be functions too
10 #let tax-expr(total: none, ..rest) =
  { total * 0.2 }
12 #let taxed = update-fields(
13 td,
14 tax: (expression: tax-expr, type:
  "currency"),
15)
16
17 #to-tablex(taxed)
```

#	Name	Price	Quantity	Total	Tax
0	Bread	\$1.25	Two	\$2.50	\$0.50
1	Milk	\$2.50	One	\$2.50	\$0.50
2	Eggs	\$1.50	Three	\$4.50	\$0.90

Chaining

It is inconvenient to require several temporary variables as above, or deep function nesting, to perform multiple operations on a table. Ta Da provides a chain function to make this easier. Furthermore, when you need to compute several fields at once and don't need extra field information, you can use add-expressions as a shorthand:

```
1 #import tada: chain, add-expressions
2 #let totals = chain(td,
3
   add-expressions.with(
    total: "price * quantity",
4
5
     tax: "total * 0.2",
     after-tax: "total + tax",
6
7
   subset.with(
8
     fields: ("name", "total", "after-tax")
9
10),
11 // Add type information
12
    update-fields.with(
    after-tax: (type: "currency", title: fmt("w/ Tax")),
13
14),
15)
16 #to-tablex(totals)
```

Name	Total	W/ Tax
Bread	\$2.50	\$3.00
Milk	\$2.50	\$3.00
Eggs	\$4.50	\$5.40

Sorting

You can sort by ascending/descending values of any field, or provide your own transformation function to the key argument to customize behavior further:

```
1 #import tada: sort-values
2 #to-tablex(sort-values(
3 td, by: "quantity", descending: true
4 ))
```

#	Name	Price	Quantity	Total
2	Eggs	\$1.50	Three	\$4.50
0	Bread	\$1.25	Two	\$2.50
1	Milk	\$2.50	One	\$2.50

Aggregation

Column-wise reduction is supported through agg, using either functions or string expressions:

```
1 #import tada: agg, item
                                                                          Grand total: $11.40
2 #let grand-total = chain(
3
    totals,
   agg.with(after-tax: array.sum),
    // use "item" to extract the value when a table has exactly one
  element
6
   item
7)
8 // "Output" is a helper function just for capturing example outputs.
  It is not
9 // necessary in your code.
10 #output[
*Grand total: #tada.display.format-usd(grand-total)*
12
```

It is also easy to aggregate several expressions at once

```
1 #let agg-exprs = (
2    "# items": "quantity.sum()",
3    "Longest name": "[#name.sorted(key: str.len).at(-1)]",
4 )
5 #let agg-td = tada.agg(td, ..agg-exprs)
6 #to-tablex(agg-td)
```

```
# items Longest name
6 Bread
```

Roadmap

□ apply for value-wise transformations
□ Reconcile whether field-info should be required
□ pivot / melt
□ merge / join

Functions in tabledata.typ

TableData

Constructs a TableData object from a dictionary of columnar data. See examples in the overview above for metadata examples.

Parameters

```
TableData(
   data: dictionary,
   field-info: dictionary,
   type-info: dictionary,
   field-defaults: dictionary,
   tablex-kwargs: dictionary,
   ..reserved: dictionary)
```

data dictionary

A dictionary of arrays, each representing a column of data. Every column must have the same length. Missing values are represented by <code>none</code> .

Default: none

field-info dictionary

A dictionary of dictionaries, each representing the properties of a field. The keys of the outer dictionary must match the keys of data . The keys of the inner dictionaries are all optional and can contain:

- type (string): The type of the field. Must be one of the keys of type-info. Defaults to auto, which will attempt to infer the type from the data.
- title (string): The title of the field. Defaults to the field name, title-cased.
- display (string): The display format of the field. Defaults to the display format for the field's type.
- expression (string, function): A string or function containing a Python expression that will be evaluated for each row to compute the value of the field. The expression can reference any other field in the table by name.
- hide (boolean): Whether to hide the field from the table. Defaults to false.

Default: (:)

type-info dictionary

A dictionary of dictionaries, each representing the properties of a type. These properties will be populated for a field if its type is given in field-info and the property is not specified already.

Default: (:)

field-defaults dictionary

Default values for every field if not specified in field-info.

Default: (:)

tablex-kwargs dictionary

Keyword arguments to pass to tablex().

Default: (:)

..reserved dictionary

Reserved for future use; currently discarded.

add-expressions

Shorthand to easily compute expressions on a table.

Parameters

```
add-expressions(
  td: TableData,
    ..expressions: any
)
```

td TableData

The table to compute expressions on

```
..expressions any
```

An array of expressions to compute.

- Positional arguments are converted to (value: (expression: value))
- Named arguments are converted to (key : (expression: value))

count

Returns a TableData() with a single count column and one value – the number of rows in the table.

Example

```
1 #let td = TableData(data: (a: (1, 2, 3), b: (3, 4, none)))
2 #to-tablex(count(td))
```

Parameters

```
count(td: TableData ) -> TableData
```

td TableData

The table to count

drop

Similar to subset(), but drops the specified fields and/or indexes instead of keeping them.

Example

```
1 #let td = TableData(data: (a: (1, 2), b: (3, 4), c: (5, 6)))
2 #to-tablex(drop(td, fields: ("a", "c"), indexes: (0,)))
```

Parameters

```
drop(
  td: TableData,
  fields: array str,
  indexes: array
) -> TableData
```

td TableData

The table to subset

```
fields array or str
```

Single string or array of strings with the fields to drop. If auto, no fields are dropped.

Default: none

```
indexes array
```

Single int or array of ints with the indexes to drop. If auto, no indexes are dropped.

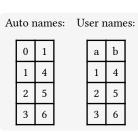
Default: none

from-columns

Constructs a TableData object from a list of column-oriented data and their field info.

Example

```
1 #let data = (
     (1, 2, 3),
3
     (4, 5, 6),
4)
5 #let mk-tbl(..args) = to-tablex(from-columns(..args))
6 #set align(center)
7 #grid(columns: 2, column-gutter: 1em)[
    Auto names:
9
    #mk-tbl(data)
10 ][
    User names:
12
     #mk-tbl(data, field-info: ("a", "b"))
13
```



Parameters

```
from-columns(
  columns: array,
  field-info: dictionary array,
  ..metadata: dictionary
) -> TableData
```

columns array

A list of arrays, each representing a column of data. Every column must have the same length and columns.len() must match field-info.keys().len()

```
field-info dictionary or array
```

See the field-info argument to TableData() for handling dictionary types. If an array is passed, it is converted to a dictionary of (key1: (:), ...).

Default: auto

```
..metadata dictionary
Forwarded directly to TableData()
```

from-records

Constructs a TableData object from a list of records.

A record is a dictionary of key-value pairs, Records may contain different keys, in which case the resulting TableData() will contain the union of all keys present with none values for missing keys.

Example

```
1 #let records = (
2  (a: 1, b: 2),
3  (a: 3, c: 4),
4 )
5 #to-tablex(from-records(records))
```

Parameters

```
from-records(
  records: array,
  ..metadata: dictionary
) -> TableData
```

```
records array
```

A list of dictionaries, each representing a record. Every record must have the same keys.

```
..metadata dictionary
Forwarded directly to TableData()
```

from-rows

Constructs a TableData object from a list of row-oriented data and their field info.

```
1 #let data = (
2  (1, 2, 3),
3  (4, 5, 6),
4 )
5 #to-tablex(from-rows(data, field-info: ("a", "b", "c")))
```

a	b	С
1	2	3
4	5	6

```
from-rows(
  rows: array,
  field-info: dictionary array,
   ..metadata: dictionary
)
```

rows array

A list of arrays, each representing a row of data. Every row must have the same length and rows.at(0).len() must match field-info.keys().len()

```
field-info dictionary or array
See the field-info argument to from-columns()
Default: auto
```

```
..metadata dictionary
```

Forwarded directly to TableData()

item

Extracts a single value from a TableData() that has exactly one field and one row.

Example

```
1 #let td = TableData(data: (a: (1,)))
2 #item(td)
```

Parameters

```
item(td: TableData) -> any
```

td TableData

The table to extract a value from

stack

Stacks two tables on top of or next to each other.

```
1 #let td = TableData(data: (a: (1, 2), b: (3, 4)))
2 #let other = TableData(data: (c: (7, 8), d: (9, 10)))
3 #grid(columns: 2, column-gutter: lem)[
4  #to-tablex(stack(td, other, axis: 1))
5 ][
6  #to-tablex(stack(
7   td, other, axis: 0, missing-fill: -4
8  ))
9 ]
```

a	b	с	d	a	b	с	d
1	3	7	9	1	3	-4	-4
2	4	8	10	2	4	-4	-4
			-	-4	-4	7	9
				-4	-4	8	10

```
stack(
  td: TableData,
  other: TableData,
  axis: int,
  missing-fill: any
) -> TableData
```

td TableData

The table to stack on

other TableData

The table to stack

axis int

The axis to stack on. 0 will place other below td, 1 will place other to the right of td. If missing-fill is not specified, either the number of rows or fields must match exactly along the chosen axis.

• Note! If axis is 1, other may not have any field names that are already in td.

Default: 0

missing-fill any

The value to use for missing fields or rows. If auto, an error will be raised if the number of rows or fields don't match exactly along the chosen axis.

Default: auto

subset

Creates a new TableData() with only the specified fields and/or indexes.

```
1 #let td = TableData(data: (a: (1, 2), b: (3, 4), c: (5, 6)))
2 #to-tablex(subset(td, fields: ("a", "c"), indexes: (0,)))
```

```
subset(
  td: TableData,
  indexes: array int,
  fields: array str
) -> TableData
```

td TableData

The table to subset

```
indexes array or int
```

The index or indexes to keep. If auto, all indexes are kept.

Default: auto

```
fields array or str
```

The field or fields to keep. If auto, all fields are kept.

Default: auto

transpose

Converts rows into columns, discards field info, and uses __index as the new fields.

Example

```
1 #let td = TableData(data: (a: (1, 2), b: (3, 4), c: (5, 6)))
2 #to-tablex(transpose(td))
```

Parameters

```
transpose(
  td: TableData,
  fields-name: str,
  ignore-types: boolean,
  ..metadata: dictionary
) -> TableData
```

td TableData

The table to transpose

fields-name str

The name of the field containing the new field names. If none, the new fields are named 0, 1, etc.

Default: none

ignore-types boolean

Whether to ignore the types of the original table and instead use content for all fields. This is useful when not all columns have the same type, since a warning will occur when multiple types are encountered in the same field otherwise.

Default: false

```
..metadata dictionary
Forwarded directly to TableData()
```

Functions in ops.typ

agg

Performs an aggregation across entire data columns.

Example

```
1 #let td = TableData(data: (a: (1, 2, 3), b: (4, 5, 6)))
2 #to-tablex(agg(td, a: array.sum, b-average: "b.sum() / b.len()"))

a b-average
6 5
```

Parameters

```
agg(
  td: TableData,
  field-info: dictionary,
    ..field-func-map: dictionary)
```

td TableData

The table to aggregate

field-info dictionary

Optional overrides to the initial table's field info. This is useful in case an aggregation function changes the field's type or needs a new display function.

Default: (:)

..field-func-map dictionary

A mapping of field names to aggregation functions or expressions. Expects a function accepting named arguments, one for each field in the table. The return value will be placed in a single cell.

- Note! If the assigned name for a function matches an existing field, and a function (not a string) is passed, the behavior changes: Instead, the function must take one positional argument and only receives values for the field it's assigned to. For instance, in a table with a field price, you can easily calculate the total price by calling agg(td, price: array.sum). If this behavior was not enabled, this would be agg(td, price: (price: none, ..rest) => price.sum().
- Columns will have their missing (none) values removed before being passed to the function or expression.

chain

Sequentially applies a list of table operations to a given table.

The operations can be any function that takes a TableData object as its first argument. It is recommended when applying many transformations in a row, since it avoids the need for deeply nesting operations or keeping many temporary variables.

Returns a TableData object that results from applying all the operations in sequence.

Example

```
1 #let td = TableData(data: (a: (1, 2, 3), b: (4, 5, 6)))
2 #to-tablex(chain(td,
3 filter.with(expression: "a > 1"),
4 sort-values.with(by: "b", descending: true)
5 ))
```

Parameters

```
chain(
  td: TableData,
    ..operations: array
) -> TableData
```

td TableData

The initial table to which the operations will be applied.

```
.. operations array
```

A list of table operations. Each operation is applied to the table in sequence. Operations must be compatible with TableData.

filter

Filters rows in a table based on a given expression, returning a new TableData object containing only the rows for which the expression evaluates to true. This function filters rows in the table based on a boolean

expression. The expression is evaluated for each row, and only rows for which the expression evaluates to true are retained in the output table.

Example

```
1 #let td = TableData(data: (a: (1, 2, 3), b: (4, 5, 6)))
2 #to-tablex(filter(td, expression: "a > 1 and b > 5"))
a b
3 6
```

Parameters

```
filter(
  td: TableData,
   expression: string
) -> TableData
```

td TableData

The table to filter.

expression string

A boolean expression used to filter rows. The expression can reference fields in the table and must result in a truthy output.

Default: none

group-by

Creates a list of (value, group-table) pairs, one for each unique value in the given field. This list is optionally condensed into one table using specified aggregation functions.

Example

```
1  #let td = TableData(data: (
2    a: (1, 1, 1, 2, 3, 3),
3    b: (4, 5, 6, 7, 8, 9),
4    c: (10, 11, 12, 13, 14, 15)
5  ))
6  #let first-group = group-by(td, by: "a").at(0)
7  Group identity: #repr(first-group.at(0))
8  #to-tablex(first-group.at(1))
9  Aggregated:
10  #to-tablex(group-by(td, by: "a", aggs: (count: "a.len()")))
11
```

Group identity: 1

a	b	c
1	4	10
1	5	11
1	6	12

Aggregated:

a	count
1	3
2	1
3	2

Parameters

```
group-by(
  td: TableData,
  by: string,
  aggs: dictionary,
  field-info: dictionary
)-> array TableData
```

td TableData

The table to group

by string

The field whose values are used for grouping.

Default: none

aggs dictionary

(field -> function) aggregations. They are applied to each group and the results are concatenated into a single table. See <code>agg()</code> for behavior and accepted values.

Default: (:)

field-info dictionary

Optional overrides to the initial table's field info.

Default: (:)

sort-values

Sorts the rows of a table based on the values of a specified field, returning a new TableData object with rows sorted based on the specified field.

Example

```
1 #let td = TableData(data: (a: (1, 2, 3), b: (4, 5, 6)))
2 #to-tablex(sort-values(td, by: "a", descending: true))

a b
3 6
2 5
```

Parameters

```
sort-values(
  td: TableData,
  by: string,
  key: function,
  descending: bool
) -> TableData
```

td TableData

The table to be sorted.

by string

The field name to sort by.

Default: none

key function

Optional. A function that transforms the values of the field before sorting. Defaults to the identity function if not provided.

Default: (values) => values

descending bool

Optional. Specifies whether to sort in descending order. Defaults to false for ascending order.

Default: false

Functions in display.typ

format-float

Converts a float to a string where the comma, decimal, and precision can be customized.

Example

```
1 #format-float(123456, precision: 2, pad: true)\
2 #format-float(123456.1121, precision: 1, hundreds-separator: "_")
123,456.00
123_456.1
```

Parameters

```
format-float(
  number,
  hundreds-separator: auto str,
  decimal: auto str,
  precision: none int,
  pad: bool
) -> str
```

number

hundreds-separator auto or str

The character to use to separate hundreds

Default: auto

```
decimal auto or str
```

The character to use to separate the integer and fractional portions

Default: auto

The number of digits to show after the decimal point. If none, then no rounding will be done.

Default: none

```
pad bool
```

If true, then the fractional portion will be padded with zeros to match the precision if needed.

Default: false

format-usd

Converts a float to a United States dollar amount.

Example

Parameters

```
format-usd(
  number: float int,
  .args: any
) -> str
```

```
number float or int
```

The number to convert

```
..args any
Passed to format-float()
```

to-tablex

Converts a TableData() into a tablex table. This is the main (and only intended) way of rendering tada data. Most keywords can be overridden for customizing the output.

```
1 #let td = TableData(
2 data: (a: (1, 2), b: (3, 4)),
3 // Tables can carry their own kwargs, too
4 tablex-kwargs: (inset: (x: 3em, y: 0.5em))
5 )
6 #to-tablex(td, fill: red)
```

a	b
1	3
2	4

```
to-tablex(
  td: TableData,
    ..tablex-kwargs: any
)
```

td TableData

The data to render

..tablex-kwargs any

Passed to tablex