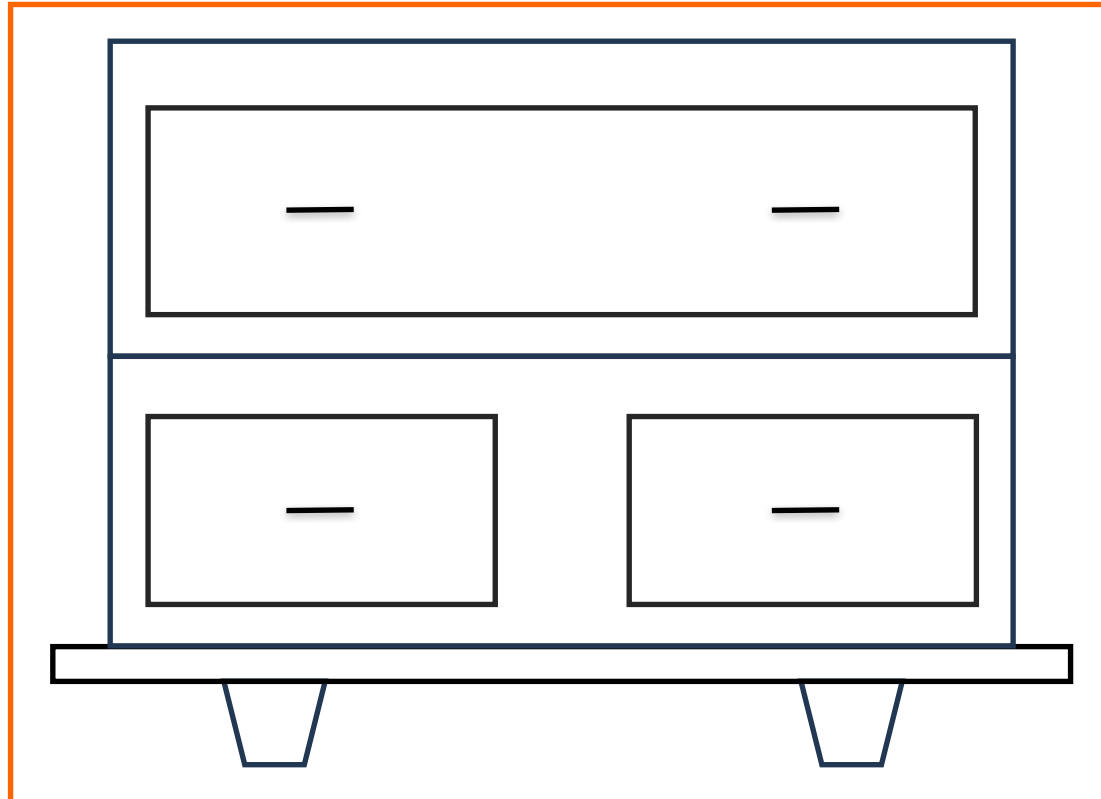


Seurat

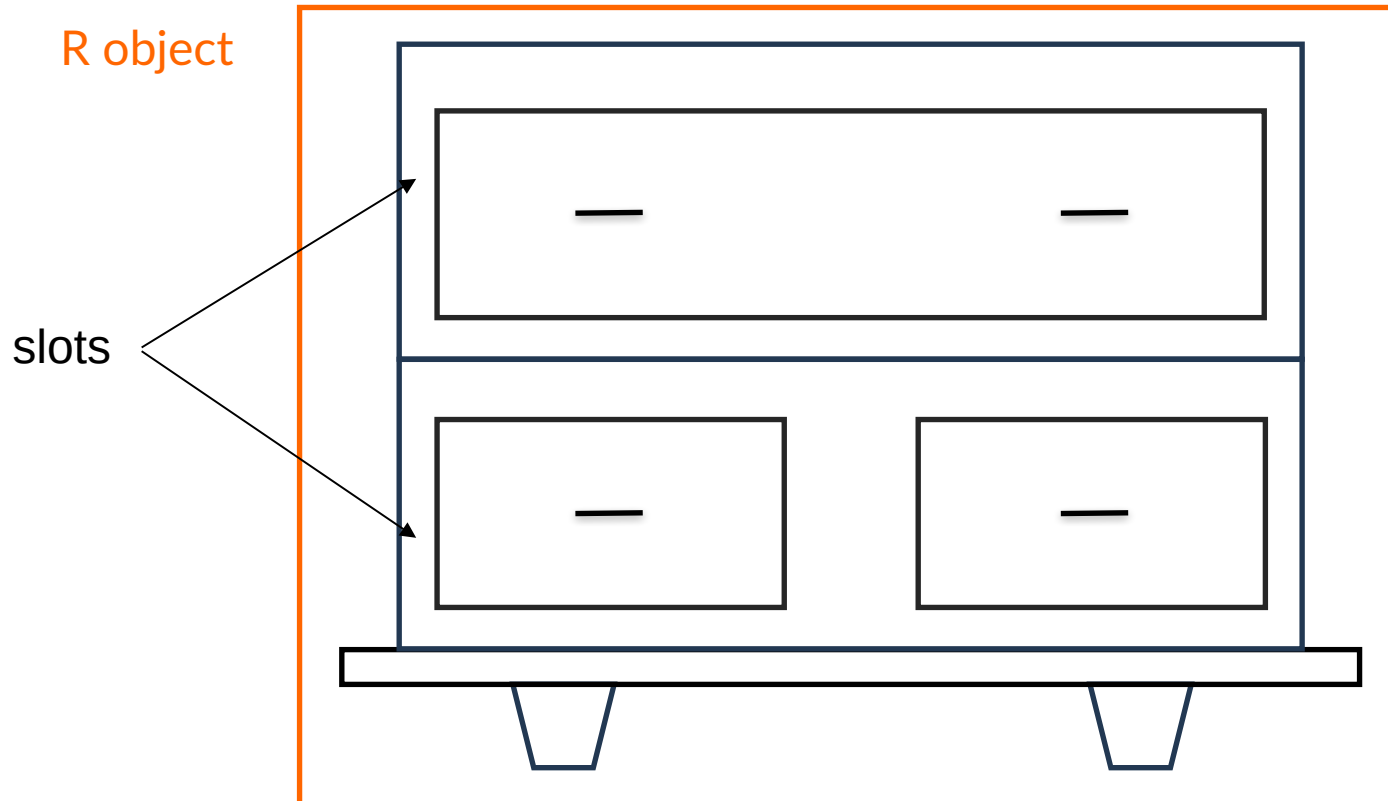
The R objects

R object



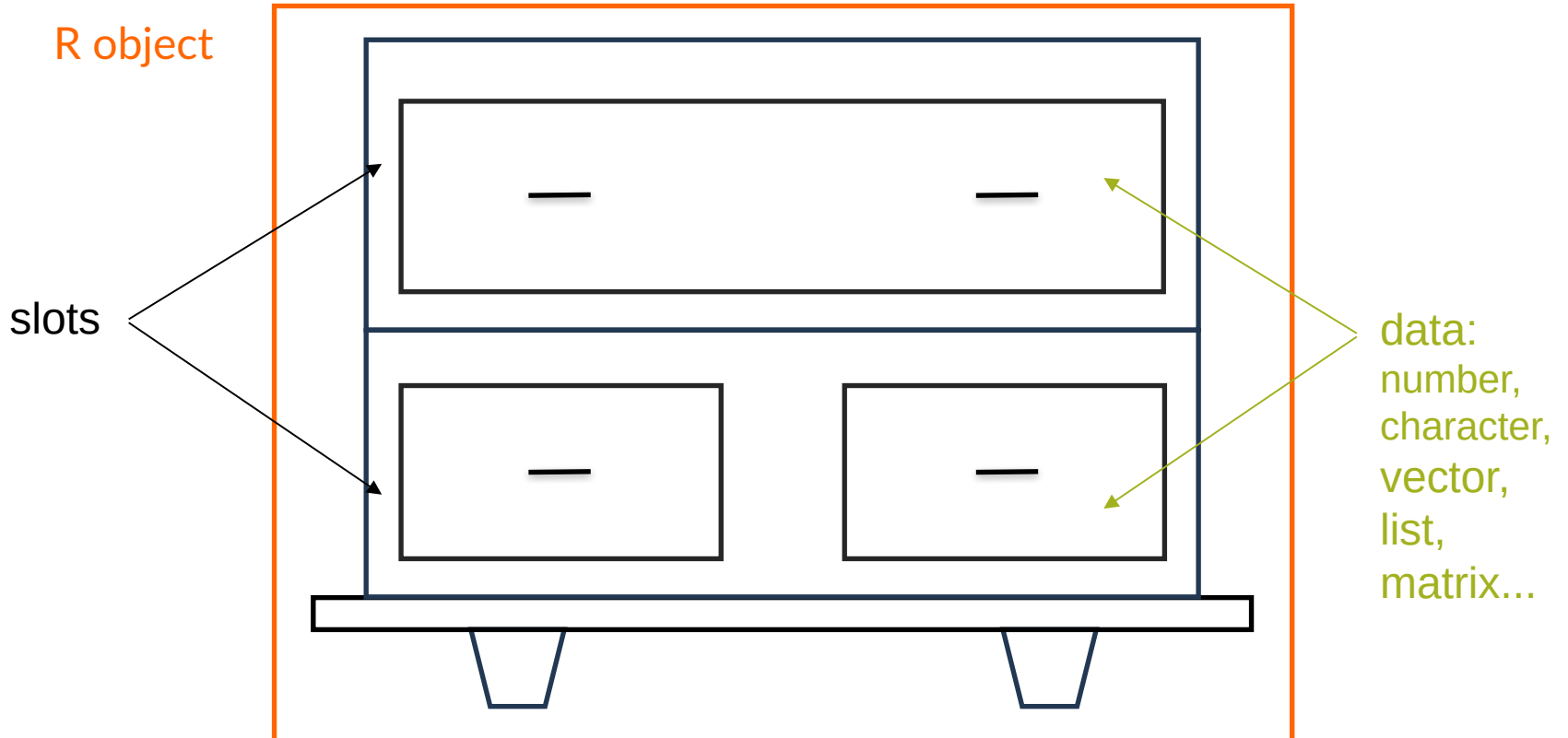
Seurat

The R objects



Seurat

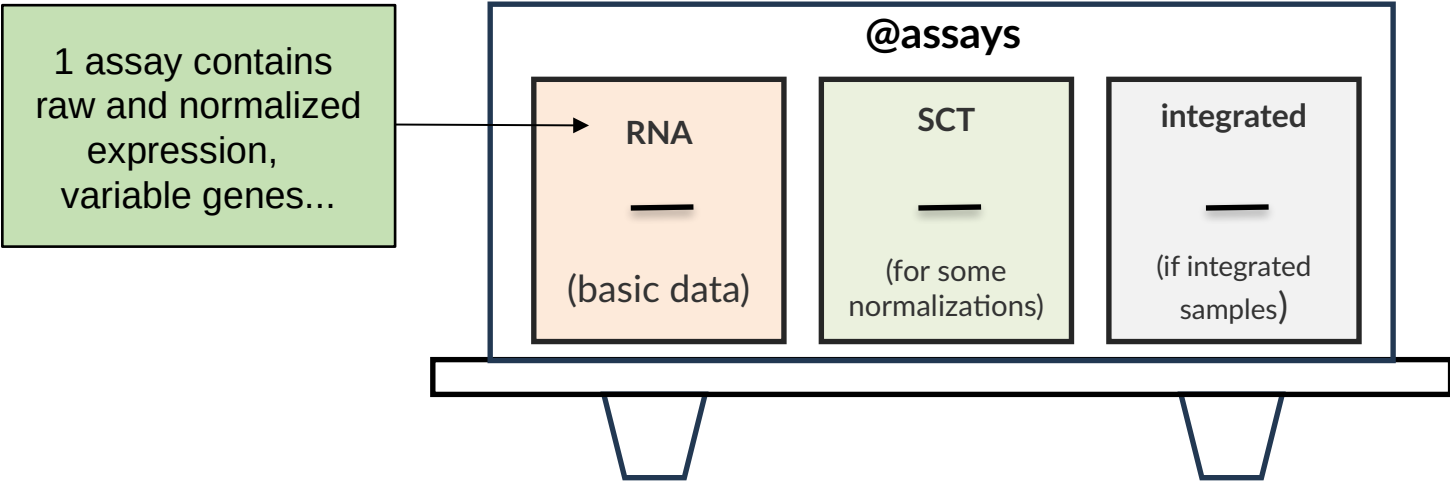
The R objects



Seurat

The Seurat object

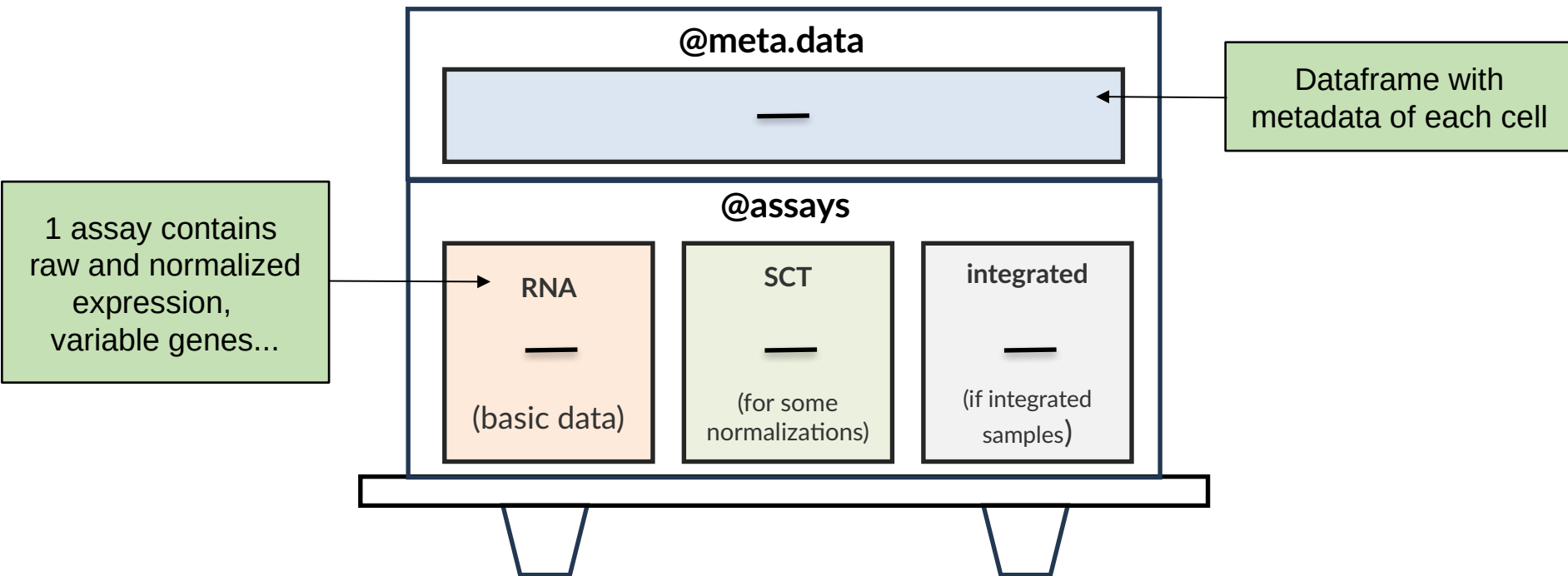
The main components



Seurat

The Seurat object

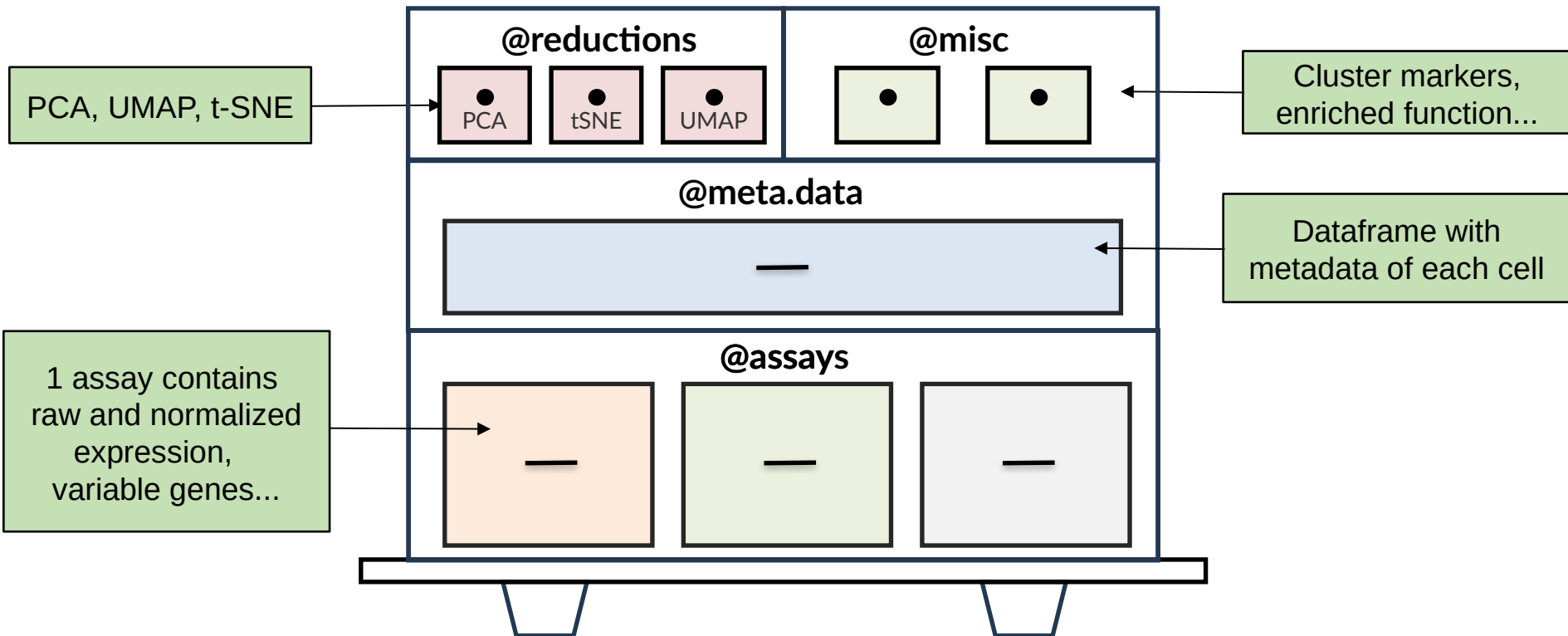
The main components



Seurat

The Seurat object

The main components

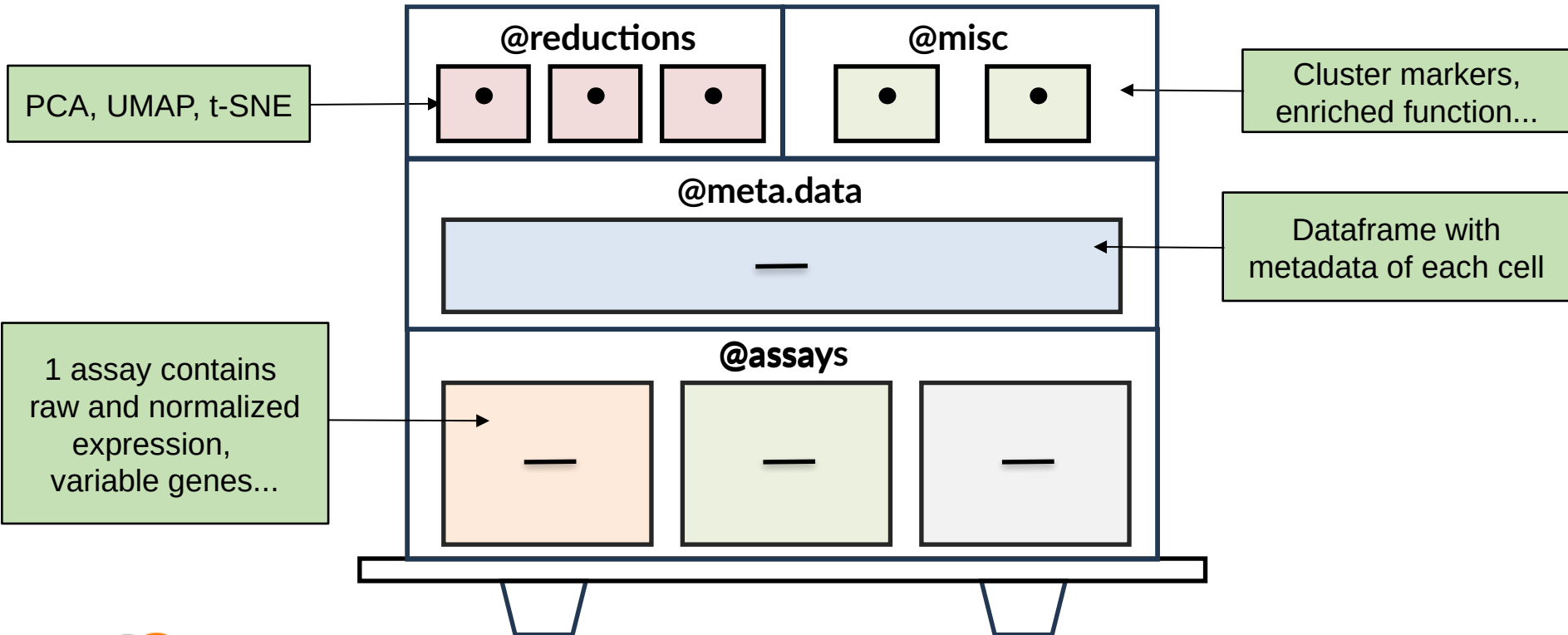


Seurat

The Seurat object

The main components

and so on...

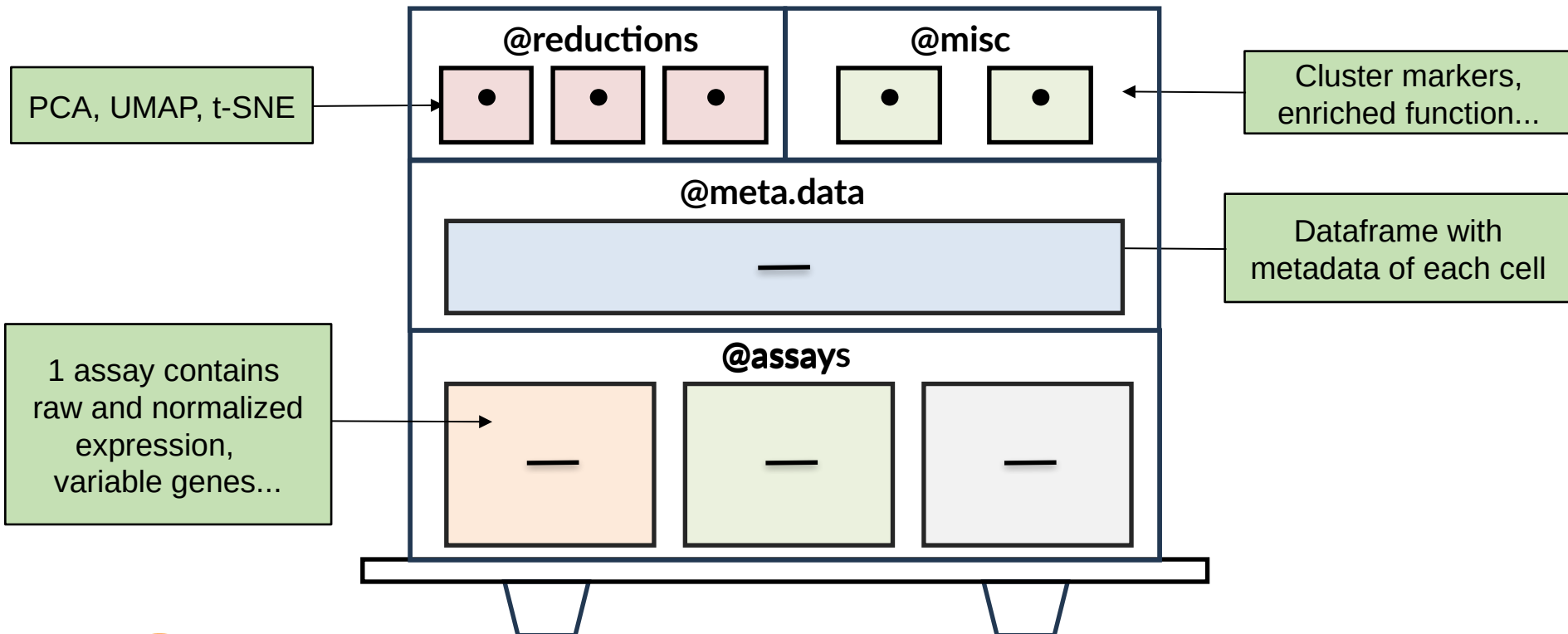


Seurat

The Seurat object

The main components

Seurat objects are a little more complicated. We will see the details during practical sessions



Seurat

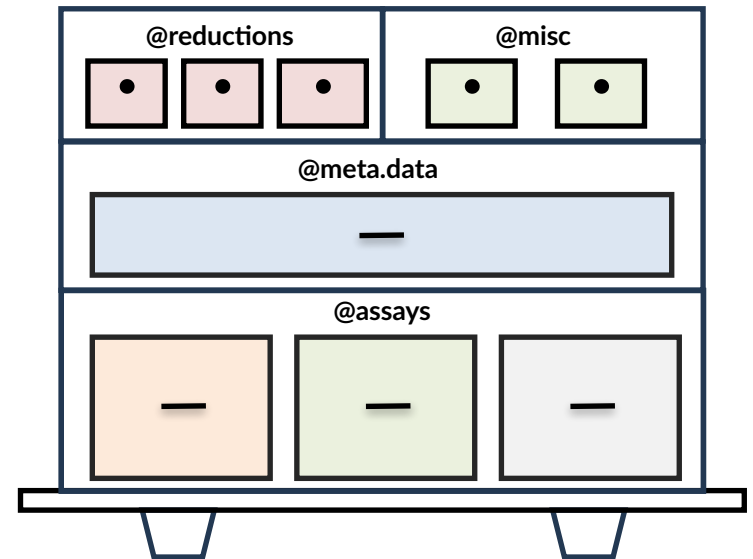
The Seurat object

Access the components

Access a slot:

- @ operator: e.g. : access metadata

```
seurat_object@meta.data
```



Seurat

The Seurat object

Access the components

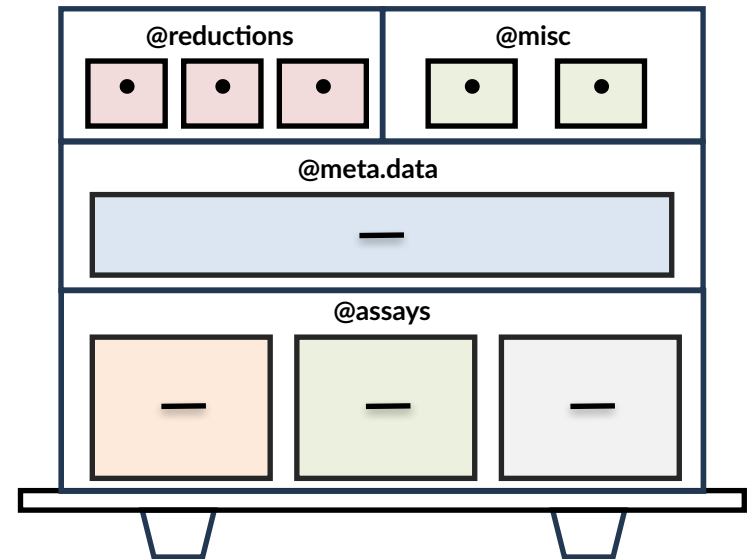
Access a slot:

- @ operator: e.g. : access metadata

```
seurat_object@meta.data
```

In practice, Seurat was implemented so that you can browse it with a succession of @ and \$.

```
seurat_obj@reductions$umap
```



Seurat

The Seurat object

Access the components

Access a slot:

- @ operator: e.g. : access metadata

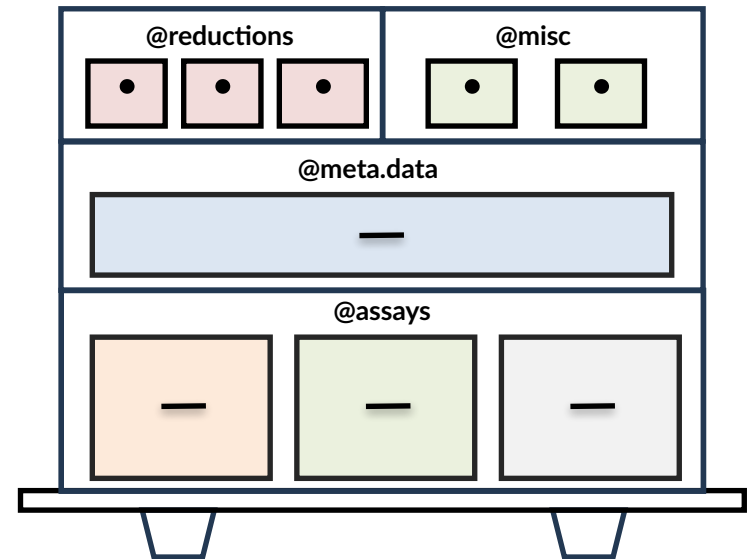
```
seurat_object@meta.data
```

In practice, Seurat was implemented so that you can browse it with a succession of @ and \$.

```
seurat_obj@reductions$umap
```

- Access methods if implemented:
e.g. access an assay called "RNA":

```
GetAssay(seurat_object, assay = "RNA")
```



Seurat

The Seurat object

The whole object

