

# R documentation

## of ‘saveRDS.Rd’

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saveRDS

*Save DigitalDLSorter object as RDS file.*

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### Description

Save `DigitalDLSorter` and `DigitalDLSorterDNN` objects as RDS files. We developed this generic with the aim of changing the behavior of the base function and saving the structure and weights of DNN model as R native objects. This is because `keras` models are not able to be stored natively as R objects (e.g. `RData` or `RDS` files). By saving the structure as JSON character object and weights as list object, it is possible recovering the model and carrying out predictions. If `trained.model` slot is empty, the function will have the usual behavior.

### Usage

```
saveRDS(  
  object,  
  file,  
  ascii = FALSE,  
  version = NULL,  
  compress = TRUE,  
  refhook = NULL  
)
```

### Details

With this option, the state of optimizer is not saved, only architecture and weights. It is possible to save completely the model as HDF5 file with [saveTrainedModelAsH5](#) function and to load into `DigitalDLSorter` object with [loadTrainedModelFromH5](#) function.

Moreover, if you want to save the object as RDA file, it is possible by converting the model to an allowed R object with [preparingToSave](#) function.

### See Also

[saveTrainedModelAsH5](#) [preparingToSave](#)

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