

# Vnmrjpy Documentation

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## 1 Introduction

## 2 The varray object

This is the main class of the module. At the core it is a multidimensional `numpy.ndarray` containing the MRI data. Additional attributes control the tranformation and general process management of the data.

### 2.1 attributes

- `varray.data`
- `varray.pd`
- `varray.dims`
- `varray.sdims`
- `varray.dtype`
- `varray.space`
- `varray.source`
- `varray.intent`
- `varray.pipeline`
- `varray.fid_header`
- `varray.fdf_header`
- `varray.nifti_header`

### 2.2 methods

- `varray.to_kspace()`
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### 3 Functions

- `read_fid()`
- `read_fdf()`
- `read_nifti()`