BraTS 2020 Dataset

- BraTS stands for Brain Tumor Segmentation
- it is composed by 155 horizontal "slices" of brain MRI images for 369 patients (volumes)
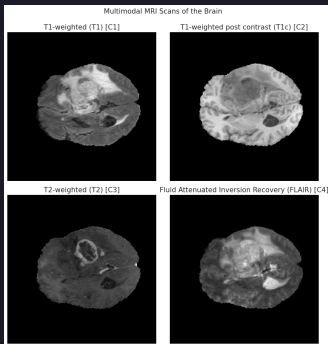
$$155 \cdot 369 = 57195$$

- we used the 50% most significant slices of the dataset
- we used 90% of the dataset for training and 10% for testing

BraTS 2020 Dataset

Images have 4 channels:

1. **T1 weighted (T1)** good for visualizing the brain but not the tumor
2. **T1 weighted with contrast (T1c)** taken with the same tecnique as T1 but with contrast
3. **T2 weighted (T2)** good for visualizing the edema
4. **Fluid Attenuated Inversion Recovery (FLAIR)** improves the visualization of the edema

BraTS 2020 Dataset

Each slice has (eventually) 3 mask labels:

1. Necrotic and Non-Enhancing Tumour Core (NCR/NET)
2. Edema (ED)
3. Enhancing Tumour (ET)

Ground Truth Mask Channels [RGB]