Claim: Given non-degen r.v.s V, W taking values in domains $\mathcal{V}, \mathcal{W}$ s.t. $B(k) \subseteq \mathcal{V} \subseteq \mathbb{R}^n$ some $n \in \mathbb{N}$, $k > 0$. [k here so different func.]

Suppose that $p(v|w)$ is cts on B(k) $\forall w \in \mathcal{W}$.

Then have (see next sheet

Options here as proofs needs to fulfill the conditions of Lebesgue's cty theorem.

can add a remark about the other cond^n s.

Discuss here & present the Gaussianization

Need to find the intersection mask & SUM and examine

Discuss briefly across to present results across multiple pre-processing steps! B1 B2 ... etc

Discuss other plots to include!

Discuss how to

ideas for coverage plots?

FWHM sing, Landa

1,2D coverage & EC curves

3D coverage (in a bunch of settings e.g. nsub, FWHM, different first level processings.)

+ gauss & non-gauss.

Figures

3D EC curves on intersection mask

Histogram of marginal distribution across all subjects

pre & after Gaussianization. (At least in 1D, 2D)

+ Resting state processing figure as in Eklund 2018.

+ clusterwise errors plots & RFT

3D mask image sc. for illustration.

Ideally power comparison with Gauss / non Gauss for permutation.