CONVEXITY OF QUANTUM INFORMATION FUNCTIONALS Frank Hansen

 $Institute\ for\ International\ Education,\ Tohoku\ University$

We give an overview of quantum statistics and measures of quantum information. Recent developments in the theory of monotone or convex operator mappings enable a unified approach to convexity statements for monotone metrics, quasi-entropies, quantum chi-square divergences, metric adjusted skew information and even to information functionals beyond quantum Fisher information.