

# Vertex exchangeable and edge exchangeable random graphs

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A vertex exchangeable random graph is constructed by first giving each vertex a random (i.i.d.) type in some type space, and then giving each pair of vertices an edge with a probability that depends on the types of the two vertices (in an arbitrary way); these random graphs form a natural generalization of the "Erdős-Rényi" random graph  $G(n, p)$  and have been studied by many authors, for example in connection with graph limits. Recently, a class of edge exchangeable random graphs has been introduced. I will present some properties of these two classes, and differences between them.