Graph theory
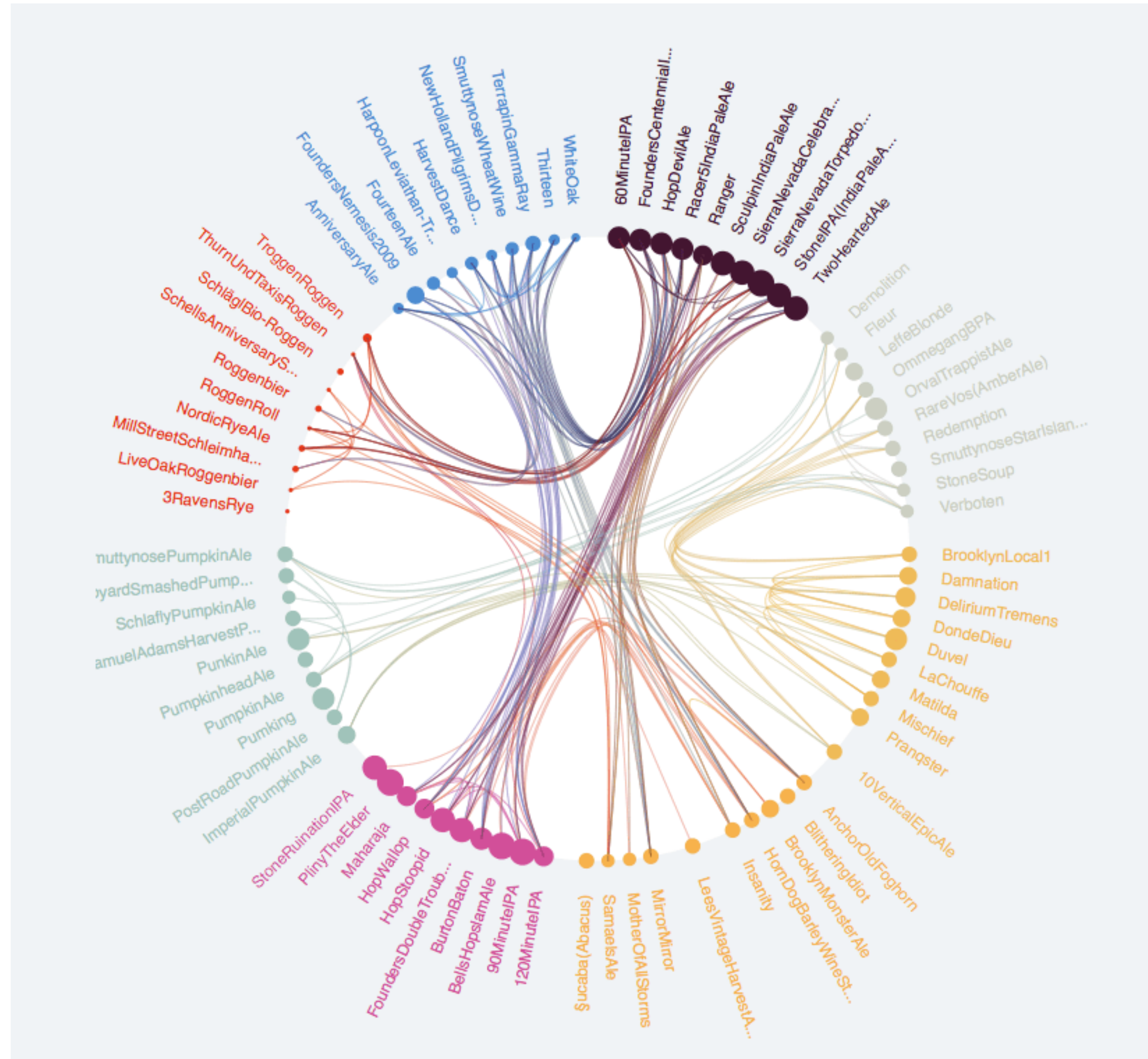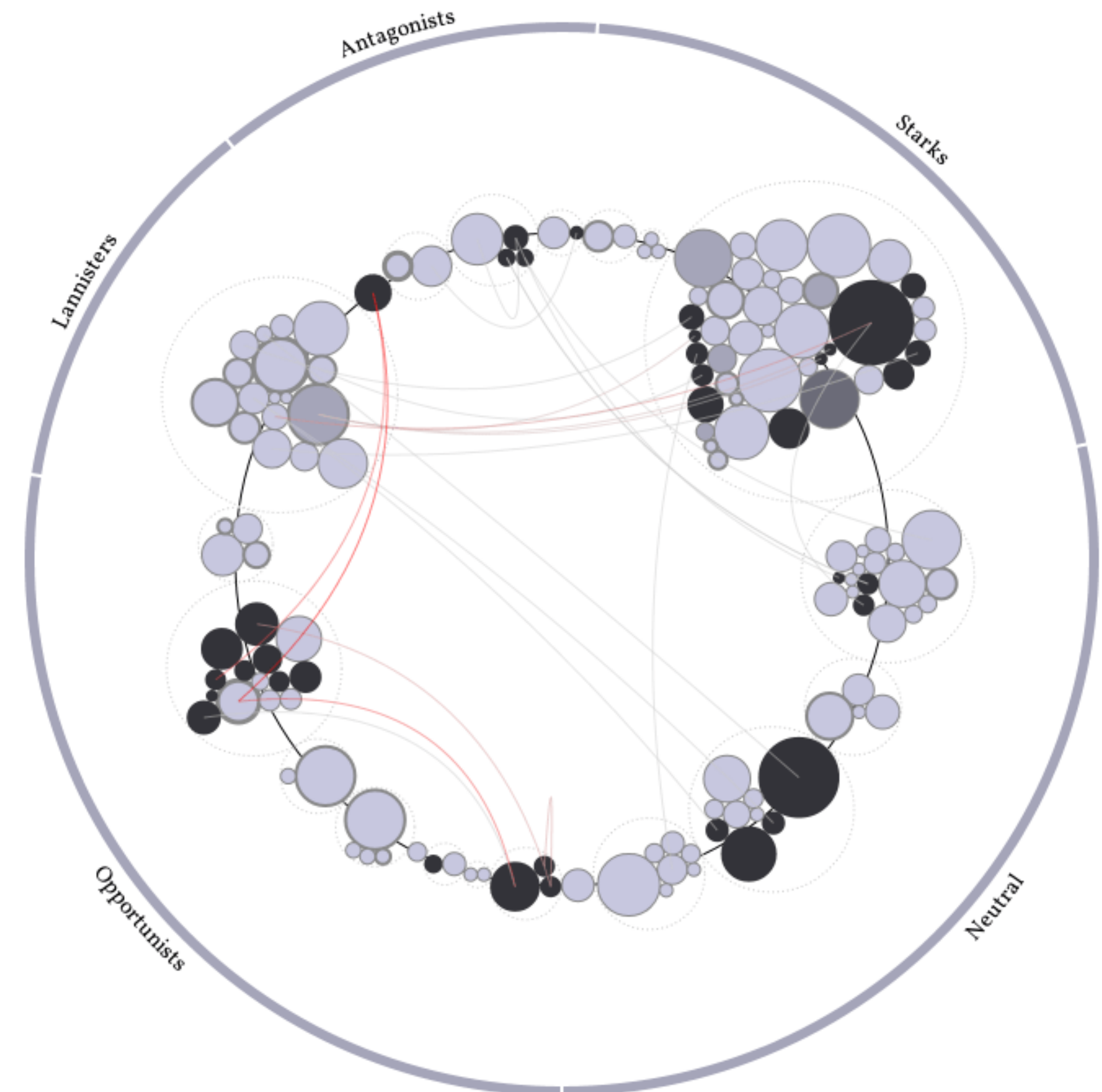
Netwerk that helps you find new beers based
on your taste preference

"Relation" between Game of Thrones characters

http://www.jeromecukier.net/projects/agot/events.html

Hyperset theory + Graph theory = Hyperset Graphs (Impredicative Logic)

Aczel's Anti-Foundation Axiom (1988)
(hyperset theory, circular causality, complexity analysis)

Non well-founded sets:

Definition of a set can
contain itself

(1) $P = \{ a, b, c \}$

a   b   c

(2) $Q = \{ a, b, \{ c \} \}$

a   b $\{ c \}$

c

(3) $A = \{ A, b, c \}$

b   c

(4) $W = \{ W \}$

Aczel, P. (1988). *Non-well-founded sets. Foreword by Jon Barwise*. CSLI Lecture Notes, 14.

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