

StarNetworks



Data Extraction | Rachel
Network Generation | Julia
Leader & Visualization | Megan
Network Analysis | Manasa

parser.add_argument()

FILENAME

EXCLUDE NON
FEATURE FILMS

DIRECTOR

INCREMENT

director_
crew_info

nm#

feature_
films

DIRECTOR.JSON

MOVIE.JSONL

Directed

Weighted

of times a crewmember
worked on a role

of movies that role
occurred for each director

Role Normalization



25000 REMAINING NODES

MAKEUP

SOUND

WRITING

MUSIC

FILM EDITING

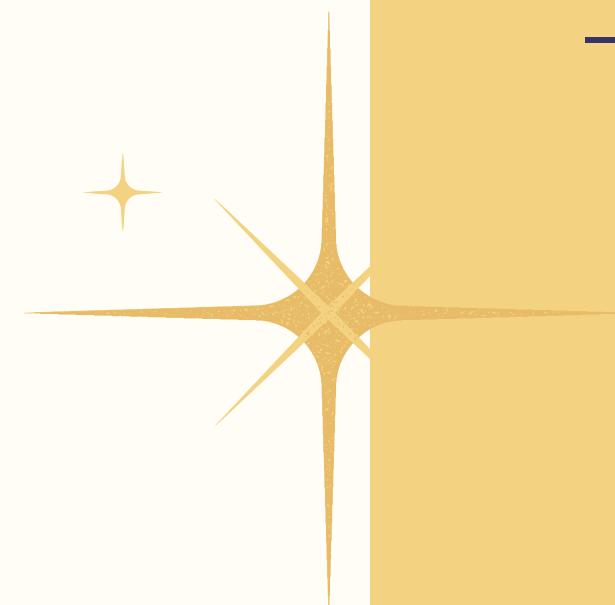
SPECIAL EFFECTS

COSTUME DESIGN

CINEMATOGRAPHY

PRODUCTION DESIGN

Attributes

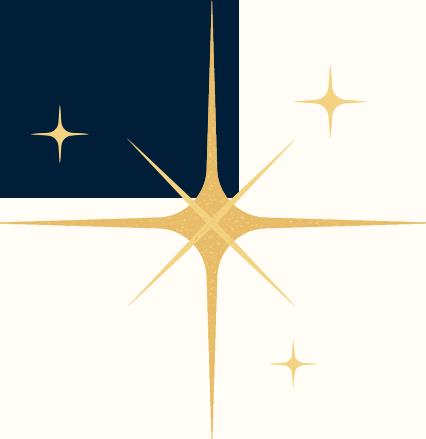
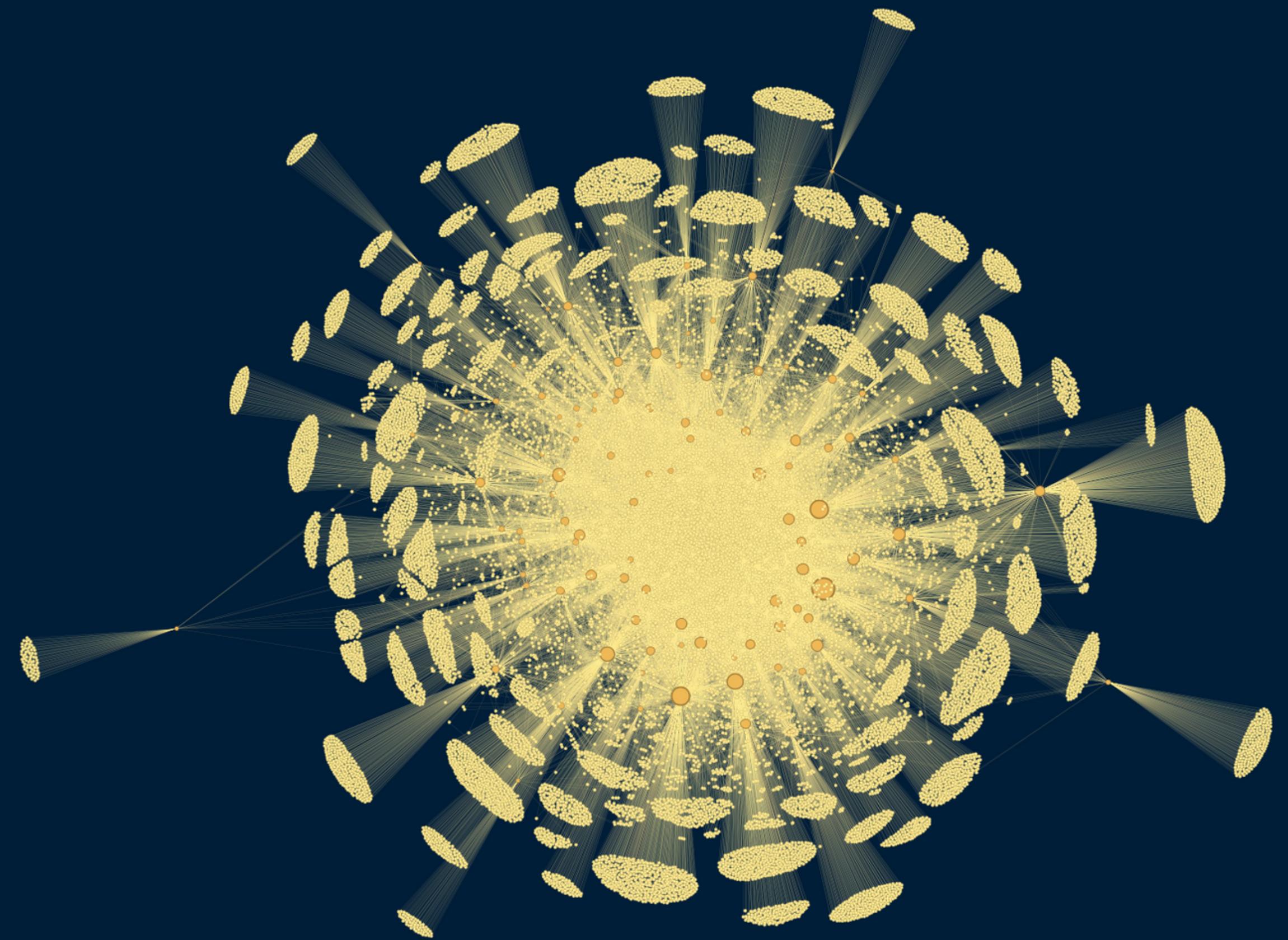


NODES

- TYPE
- NAME

EDGES

- ROLE
- WEIGHT
- numerator
- denominator

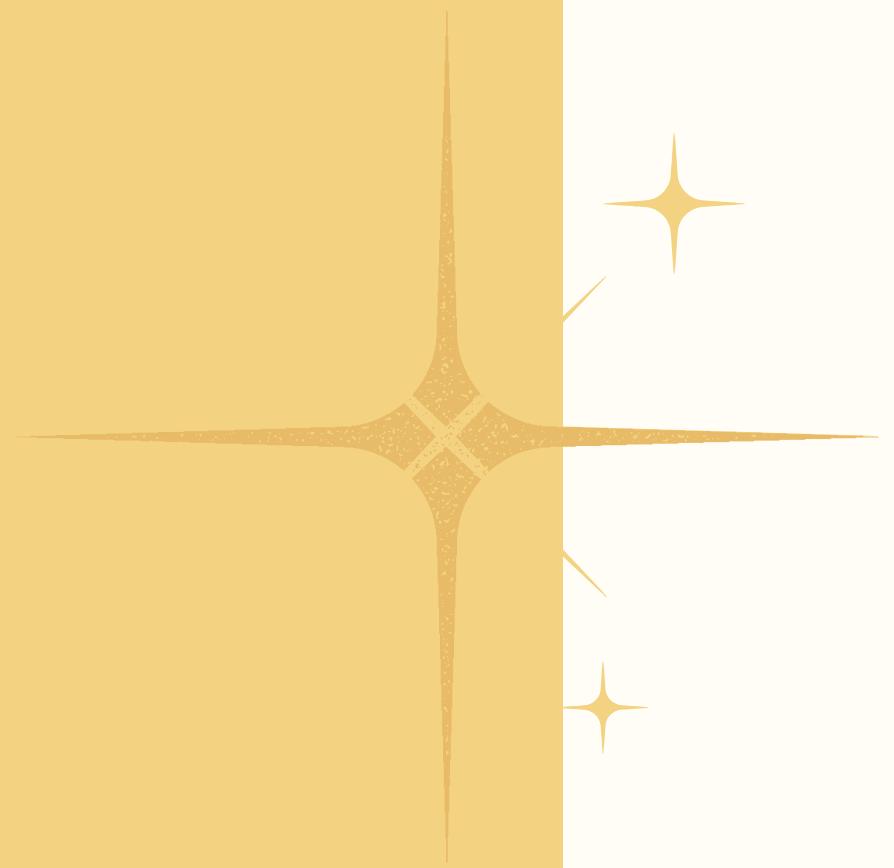


Homogeneity Metric

of unique crew
members per role

1 -

total # of crew
members per role

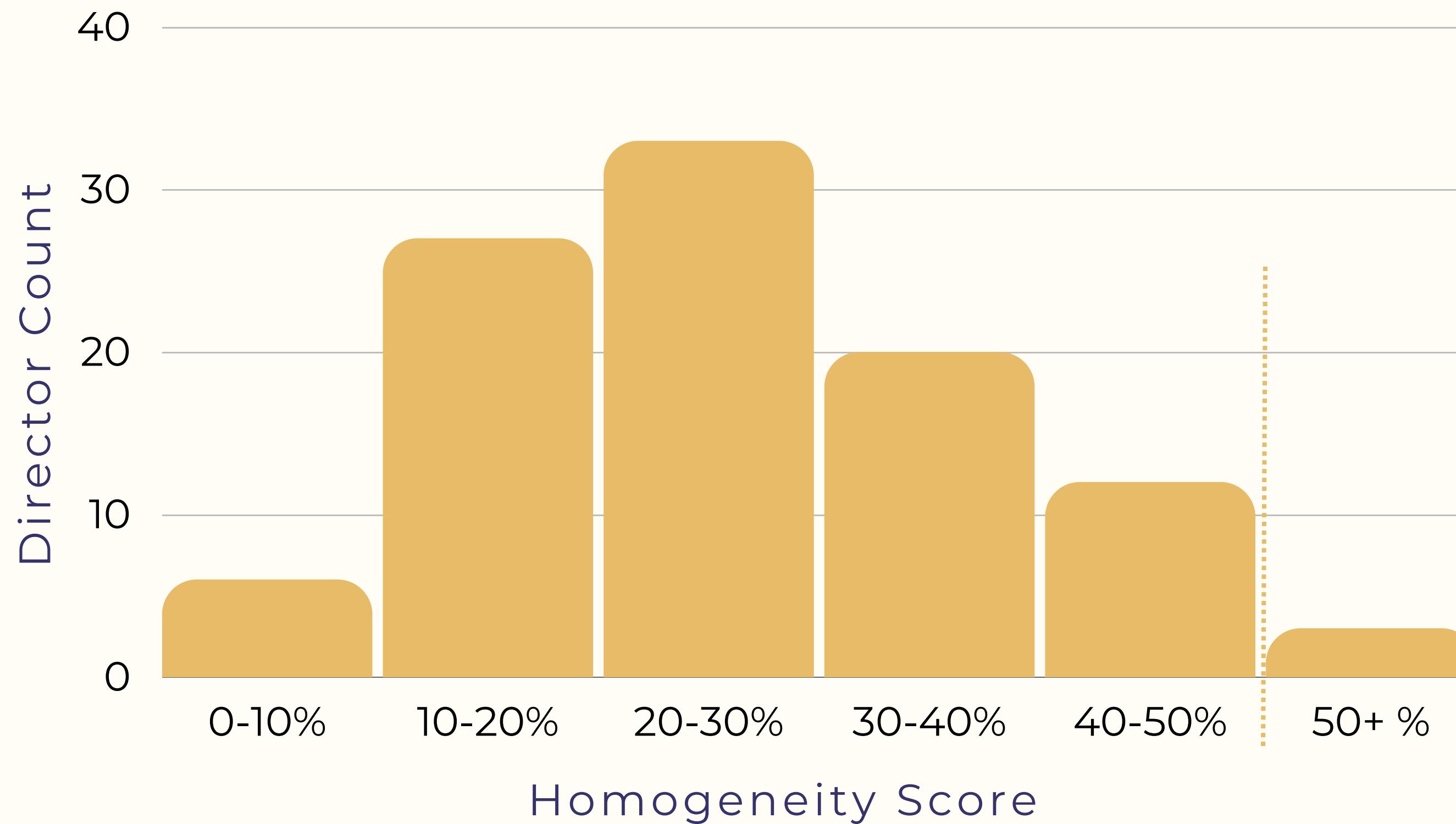


Directors
do not
generally
work with
the same
crew

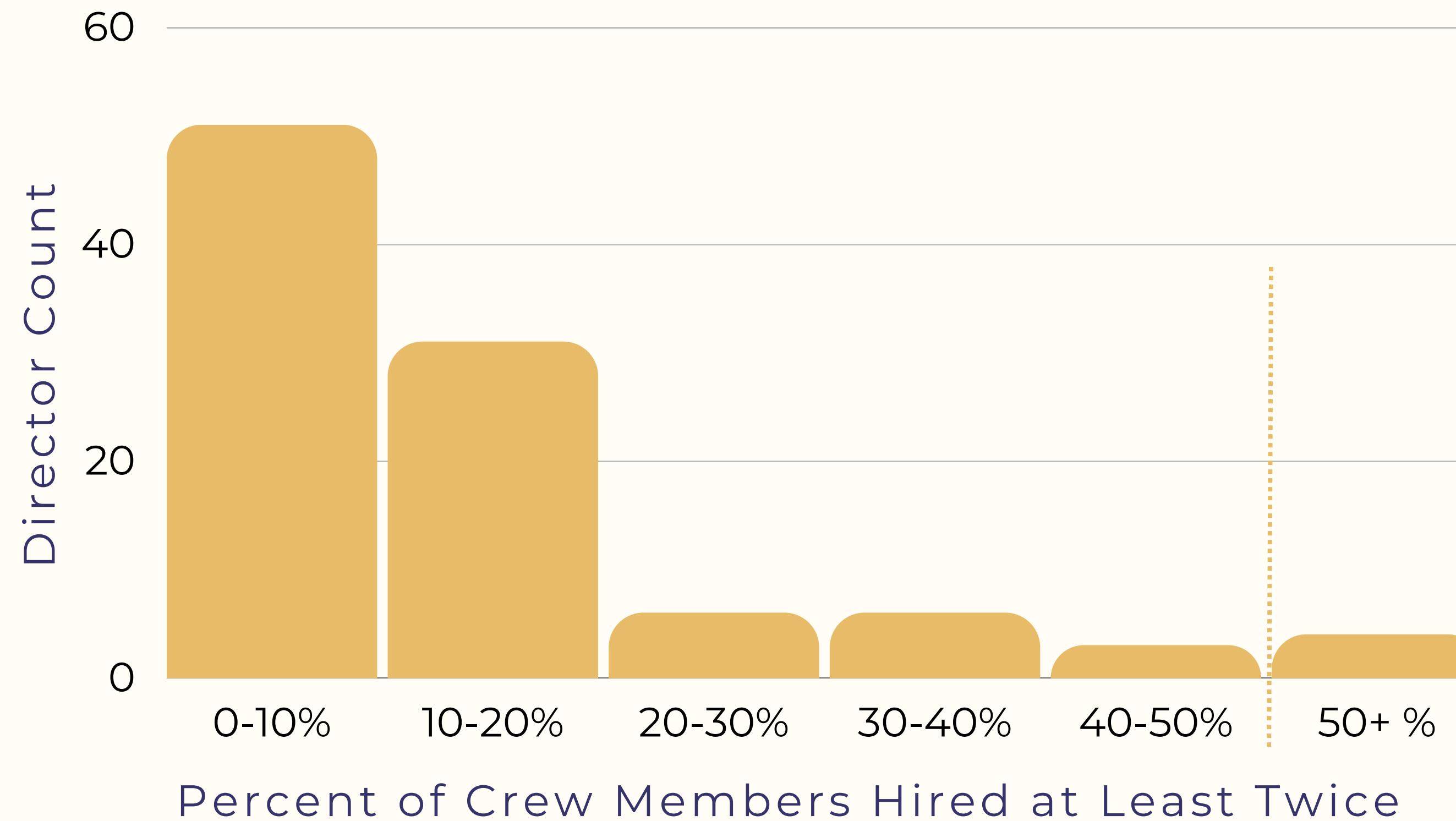
HOMOGENEITY SCORE

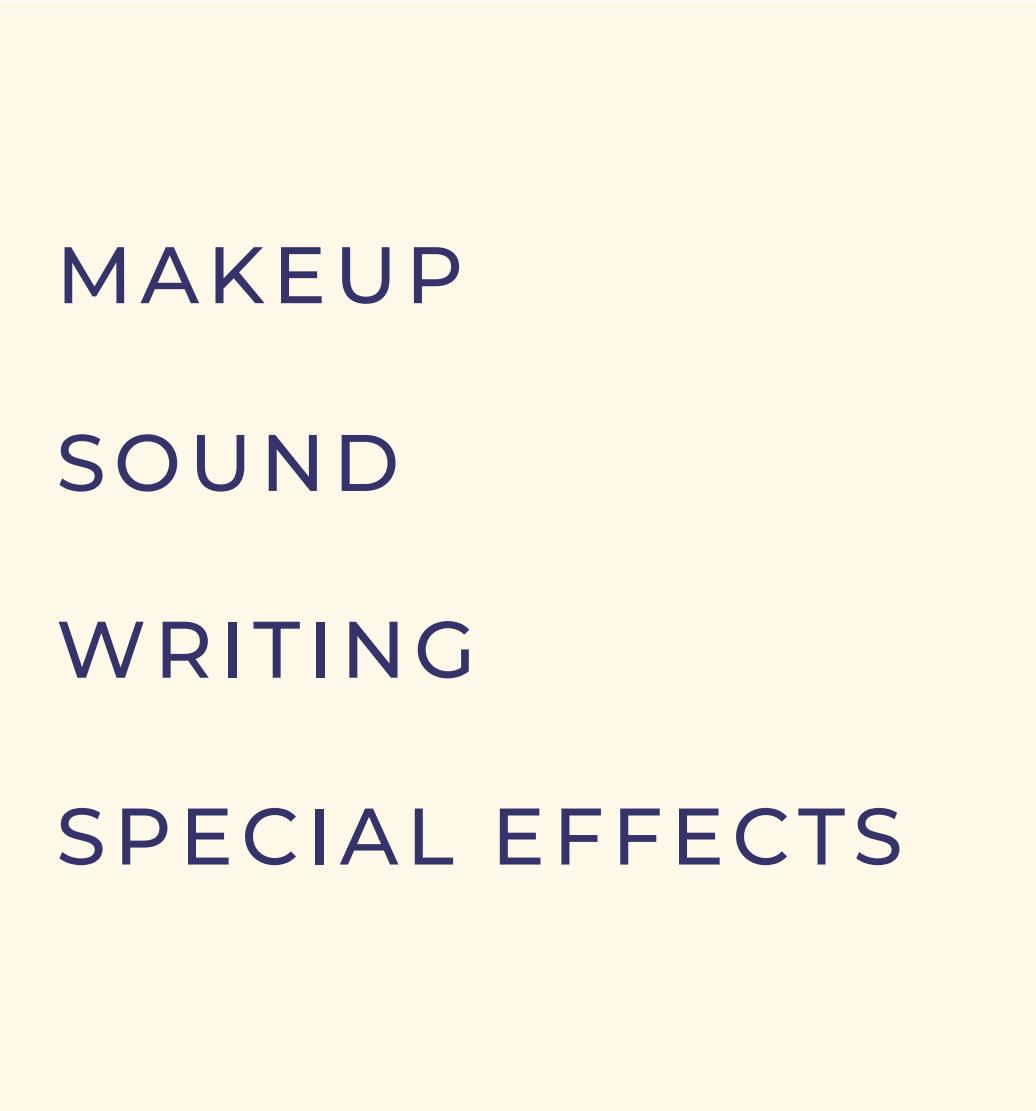
PERCENT USED TWICE

HOMOGENEITY SCORE

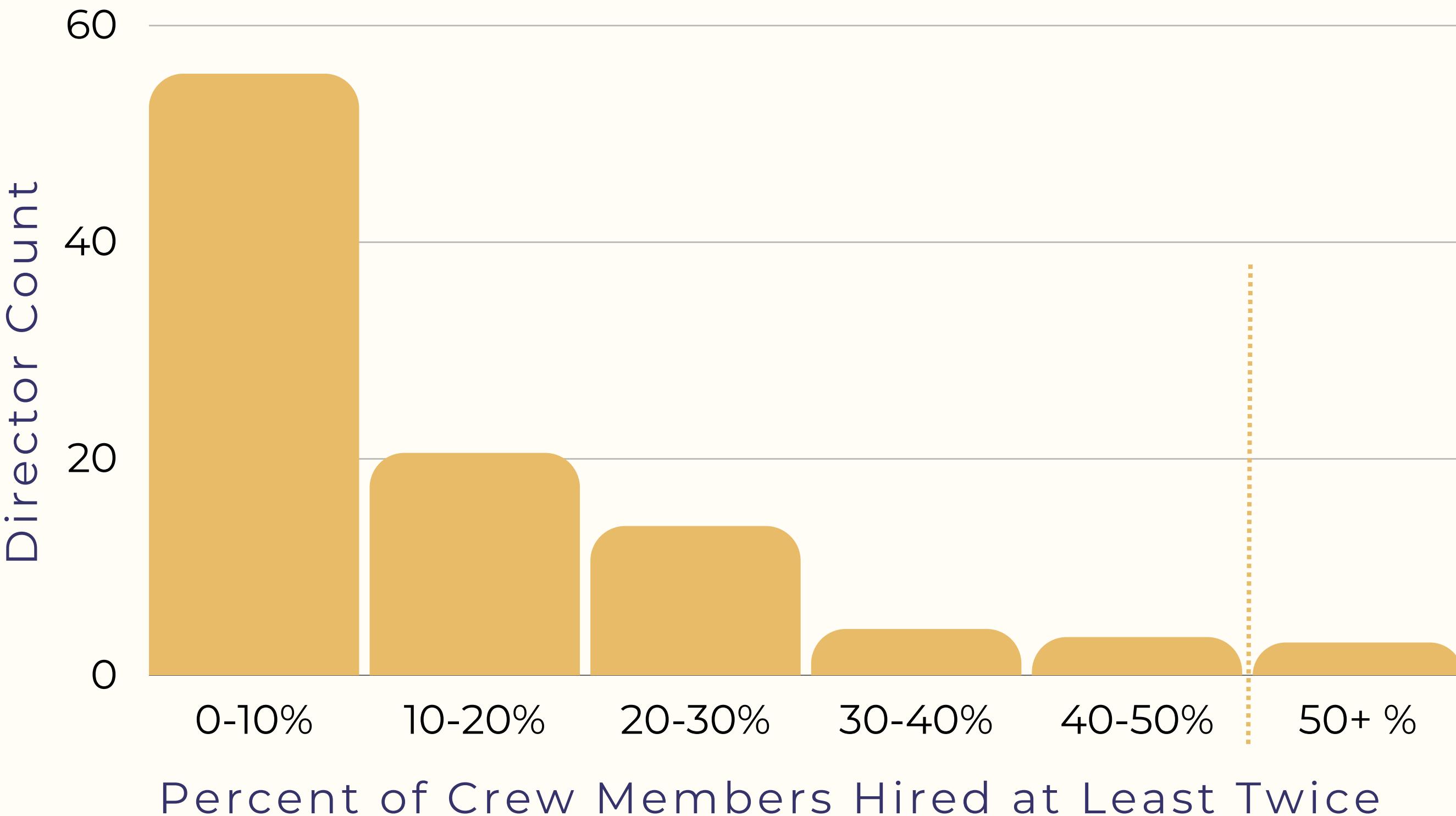


PERCENT USED TWICE



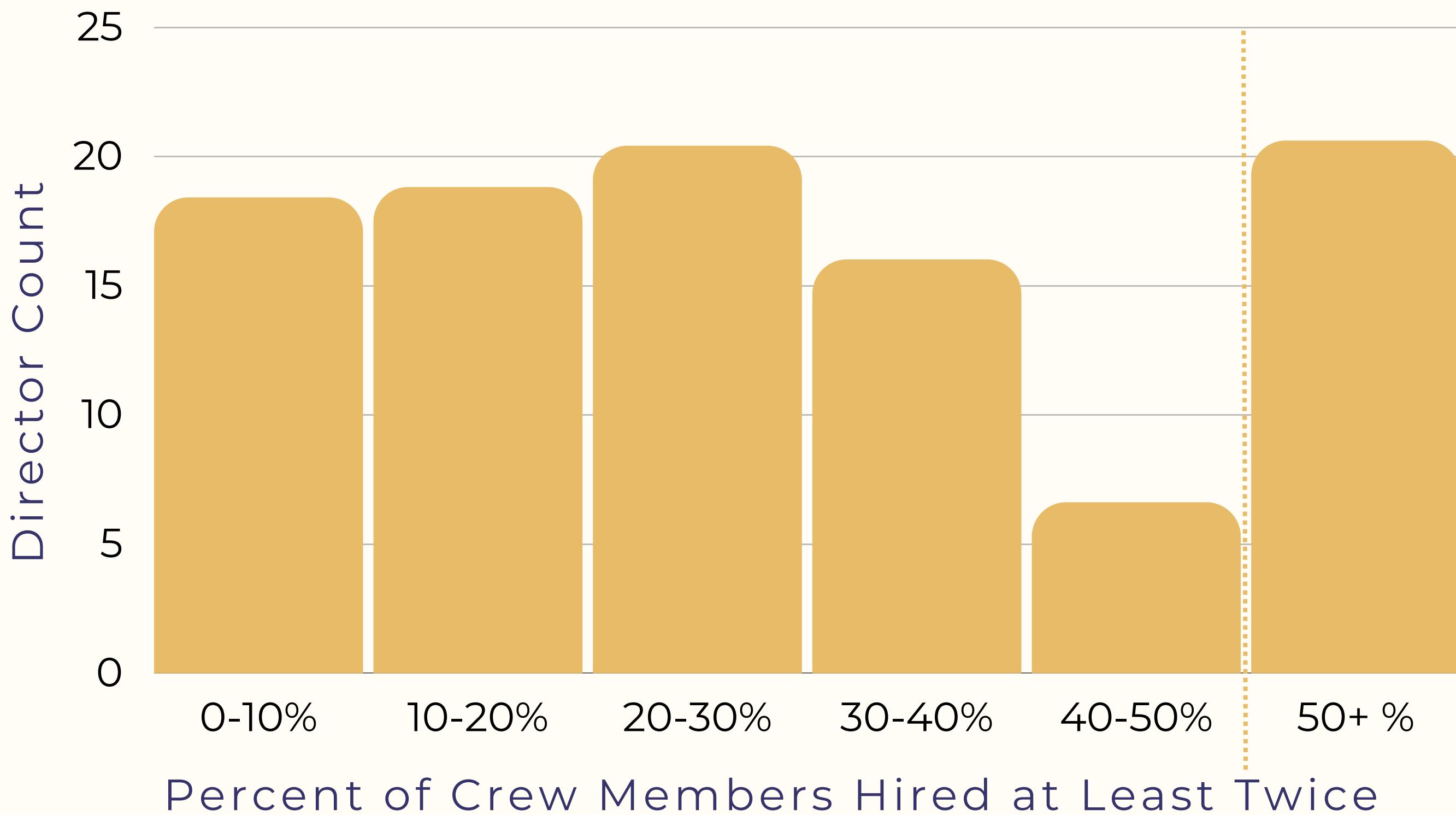


PERCENT USED TWICE



MUSIC
FILM EDITING
COSTUME DESIGN
CINEMATOGRAPHY
PRODUCTION
DESIGN

PERCENT USED TWICE



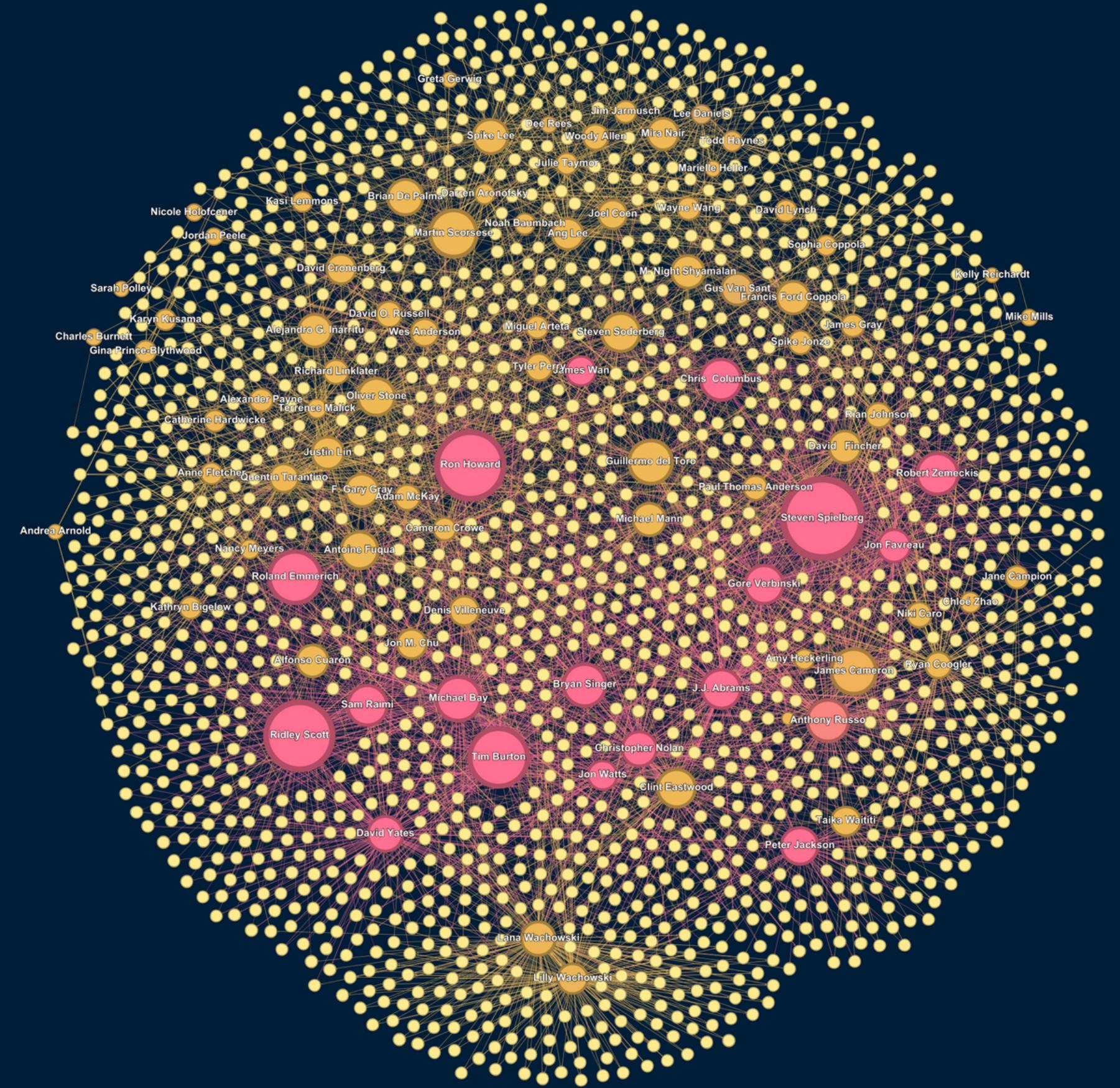
Renowned
directors
re-hire
crew the
most

HOMOGENEITY SCORE:

.36

STRAIGHT, WHITE, MEN:

.95



Women

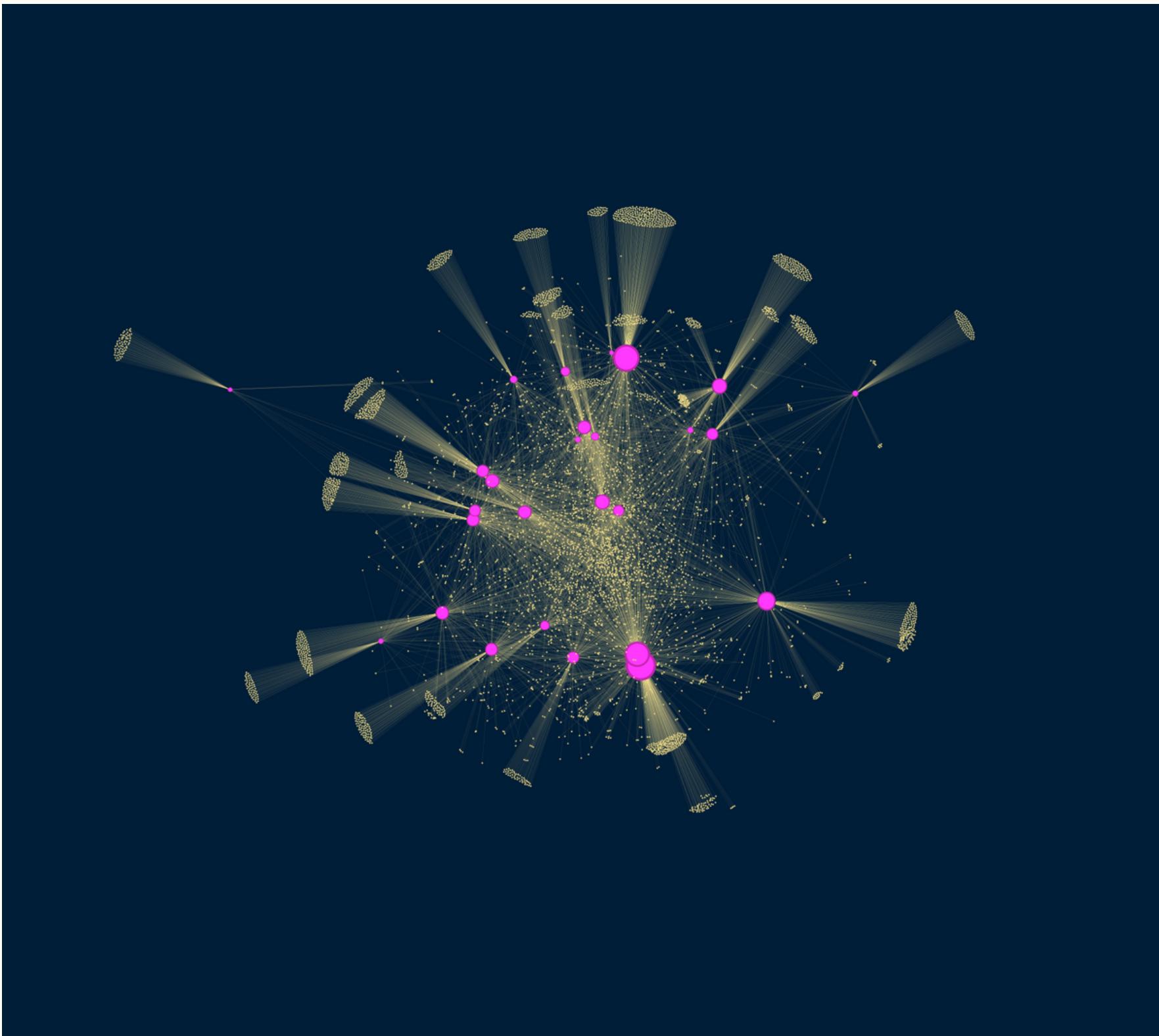
HOMOGENEITY SCORE:

.18

Men

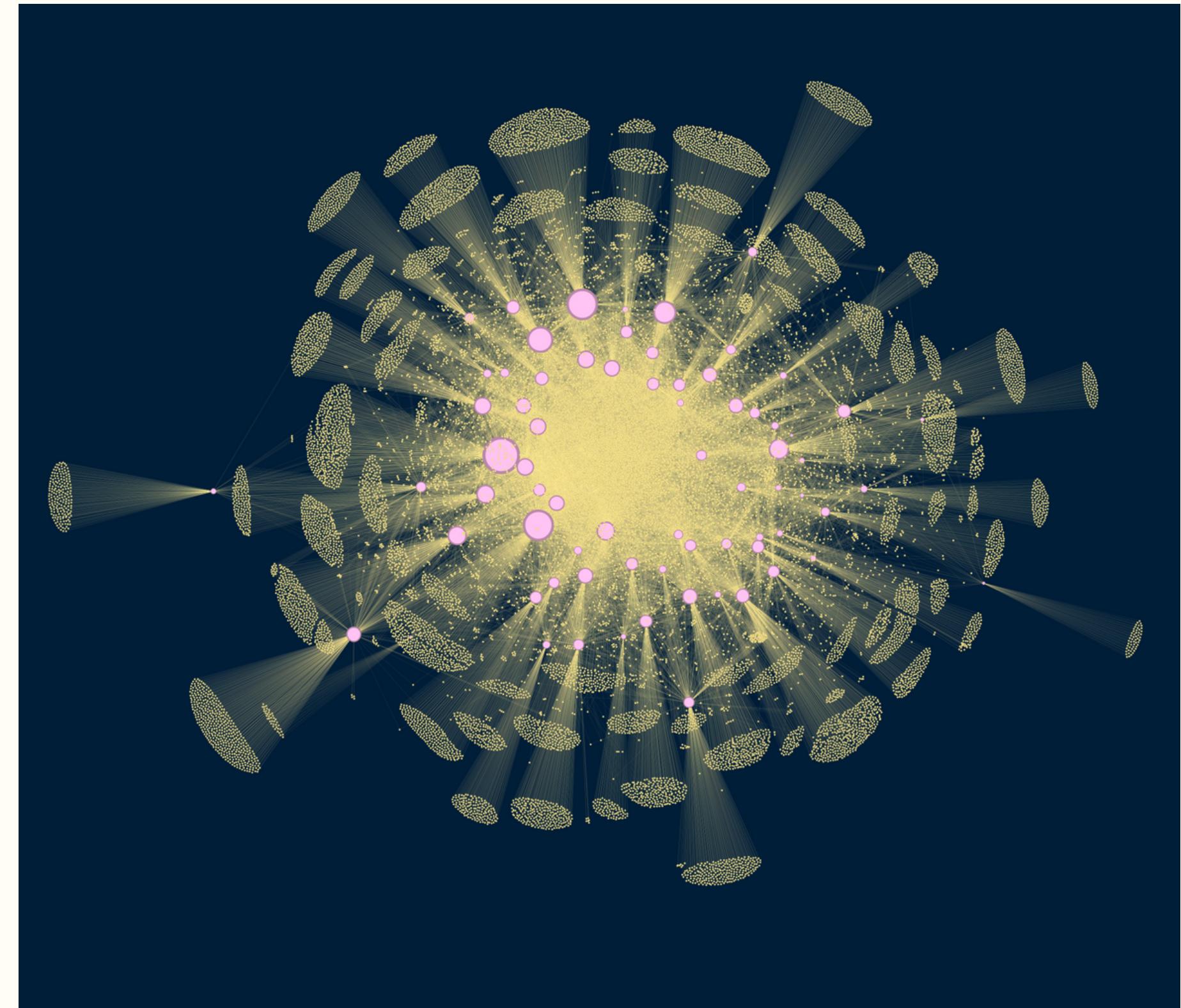
HOMOGENEITY SCORE:

.28



Women

.18



Men

.28

Related
directors
have similar
homogeneity
scores

COPPOLAS

HOMOGENEITY SCORE:

.31

HOMOGENEITY SCORE:

.29

Related
directors
have similar
homogeneity
scores

WACHOWSKIS

HOMOGENEITY SCORE:

.376

HOMOGENEITY SCORE:

.383

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