Edge–weight distribution — HiG_1 fragmentation under targeted–node attack — HiG_1 resilience (AUC of fragmentation curve)
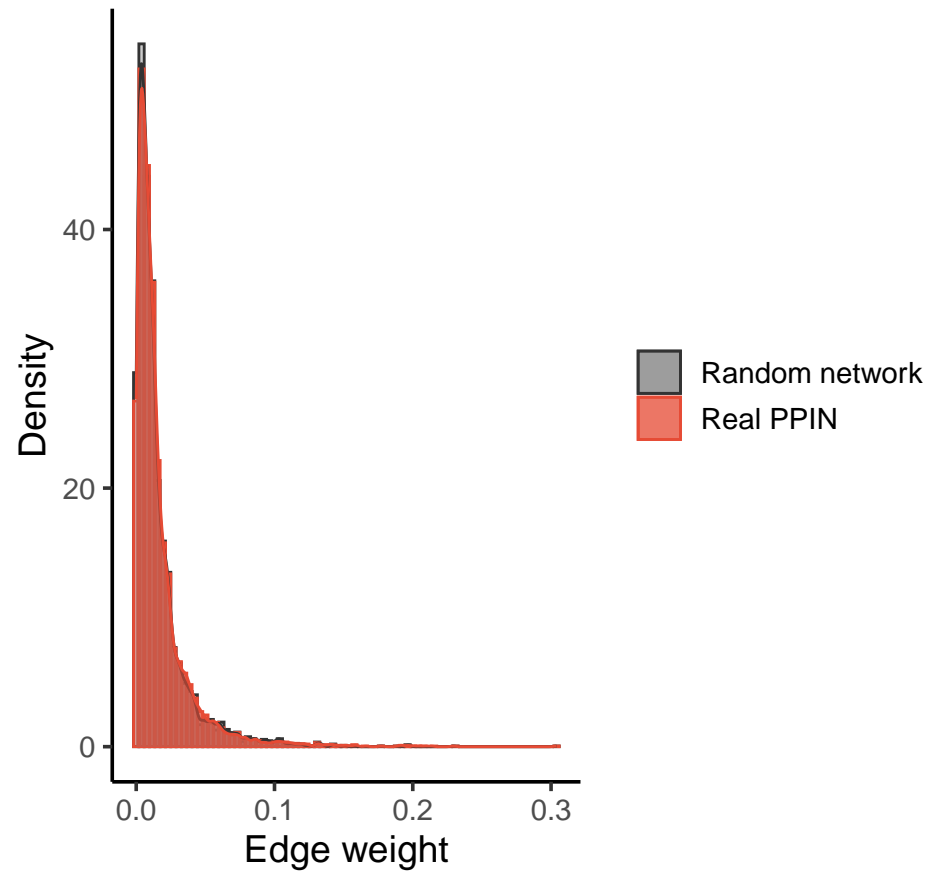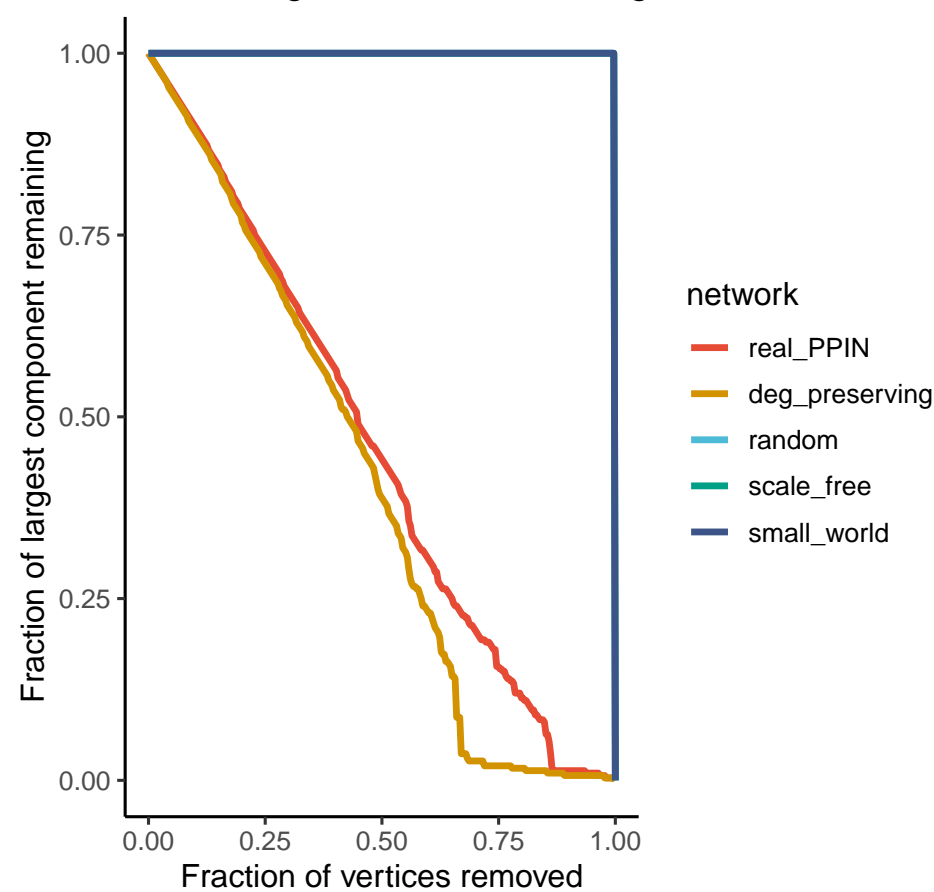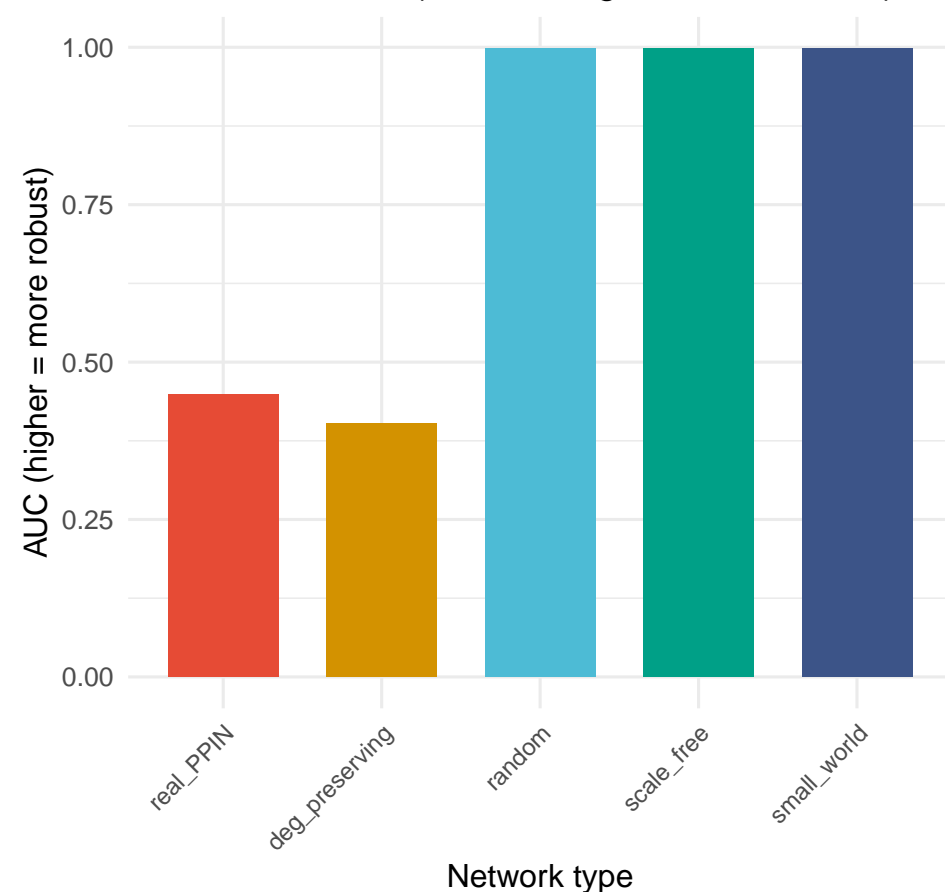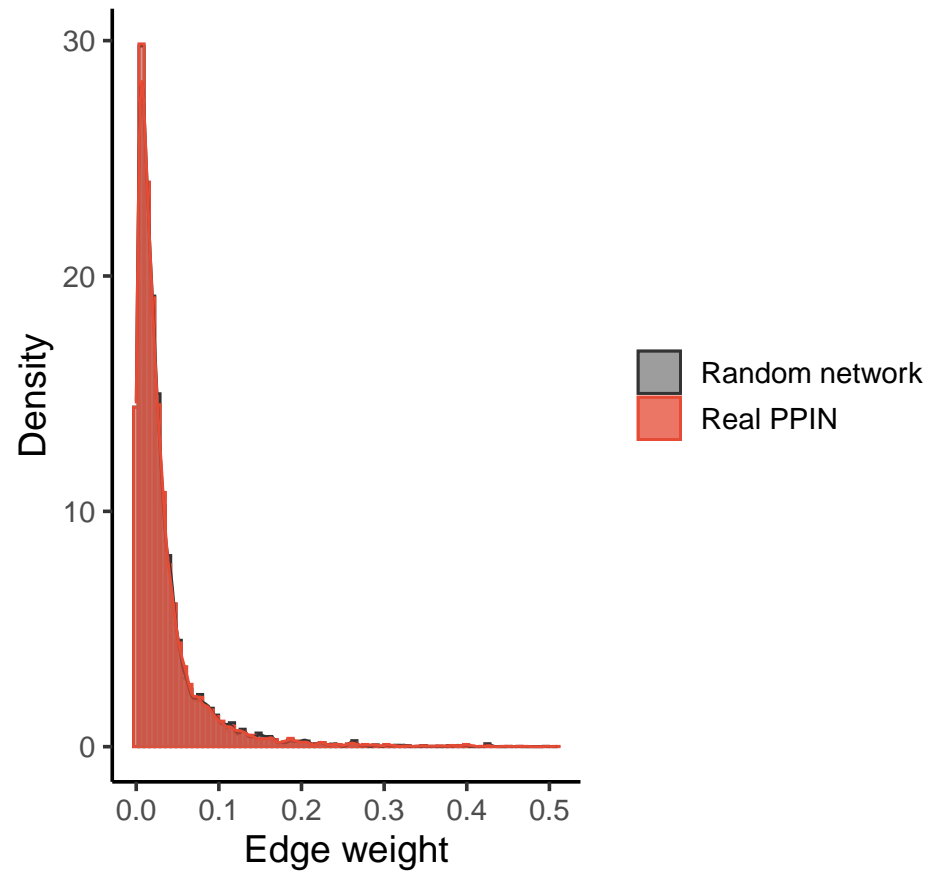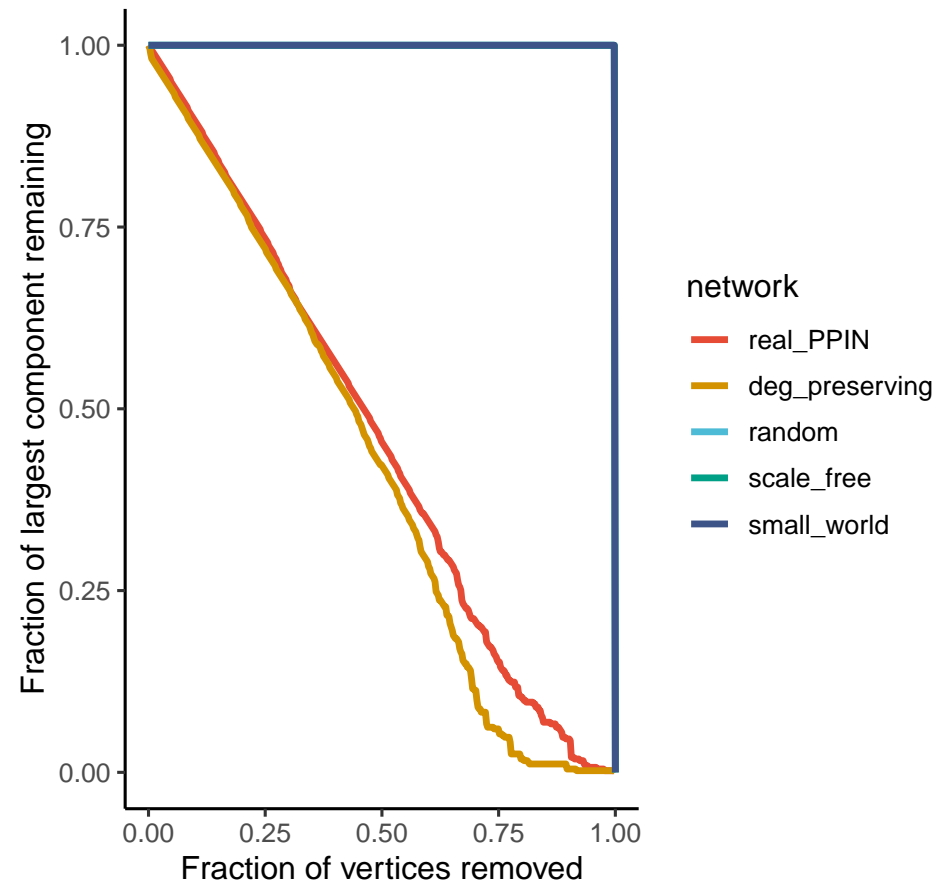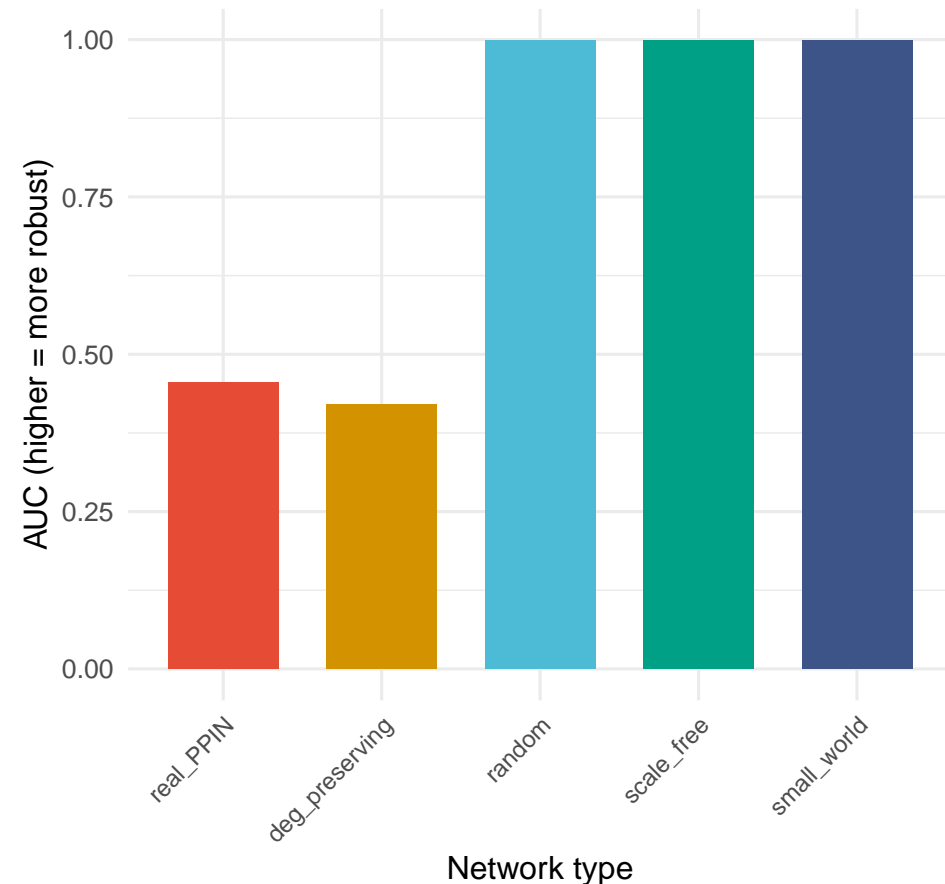
Edge-weight distribution

Density / Edge weight

Legend: Random network, Real PPIN

HiG_2 fragmentation under targeted-node attack

Fraction of largest component remaining / Fraction of vertices removed

network
- real_PPIN
- deg_preserving
- random
- scale_free
- small_world

HiG_2 resilience (AUC of fragmentation curve)

AUC (higher = more robust) / Network type

real_PPIN, deg_preserving, random, scale_free, small_world
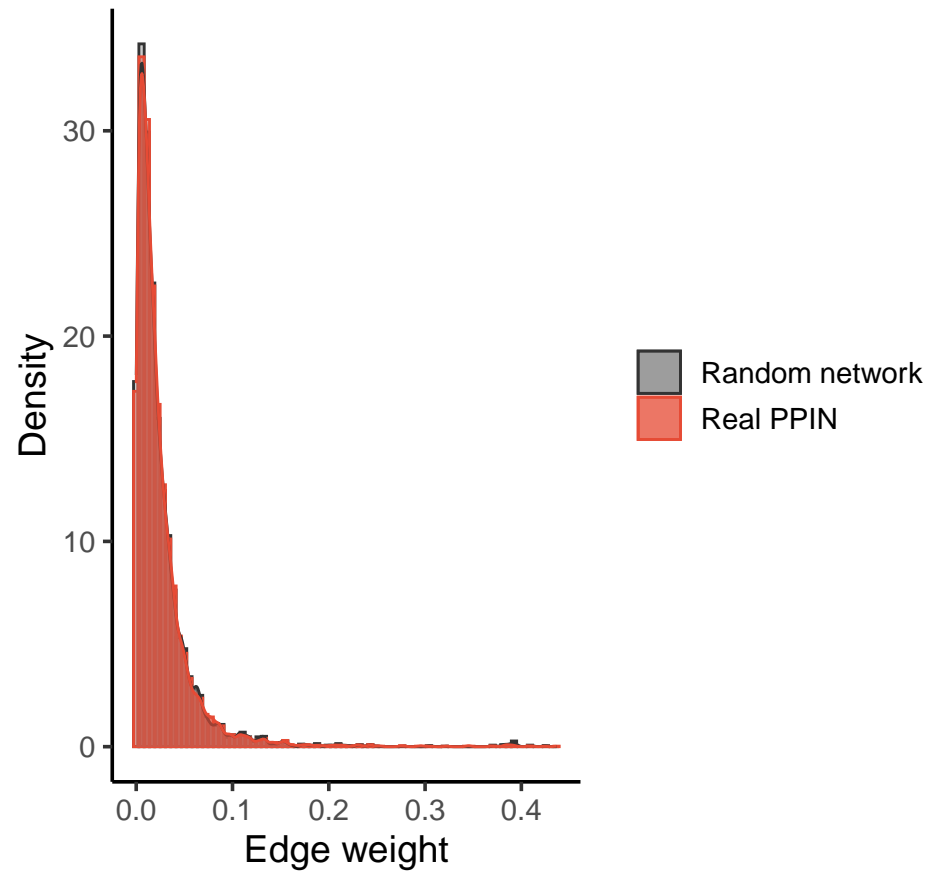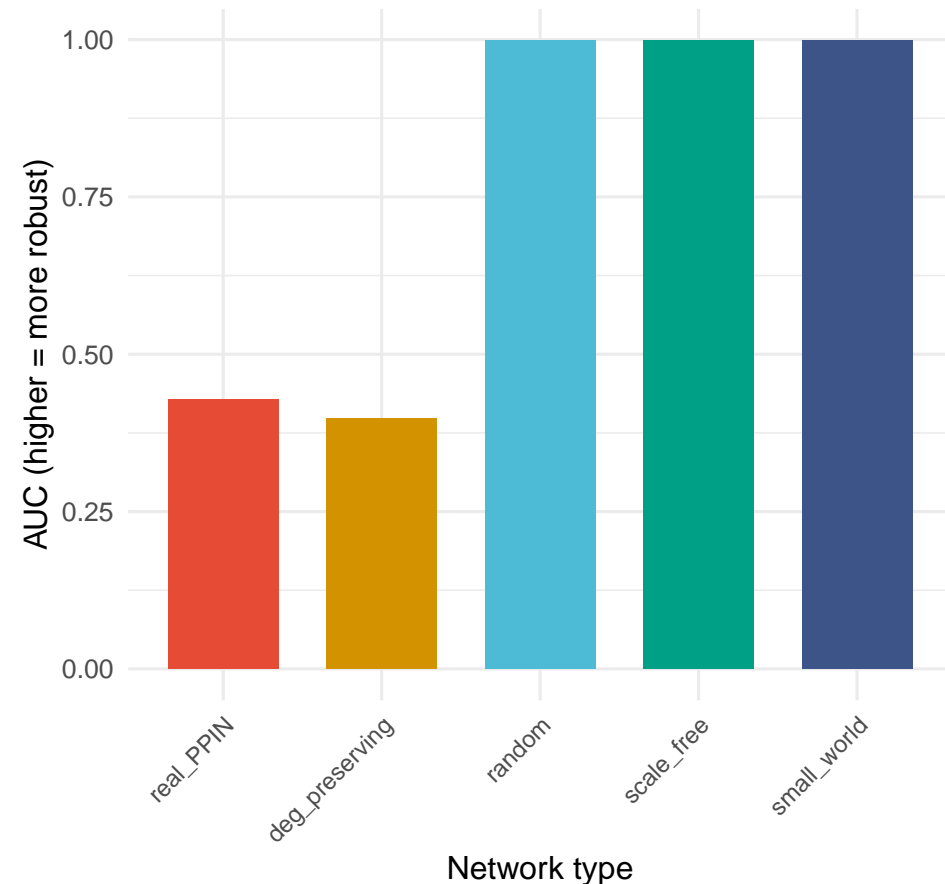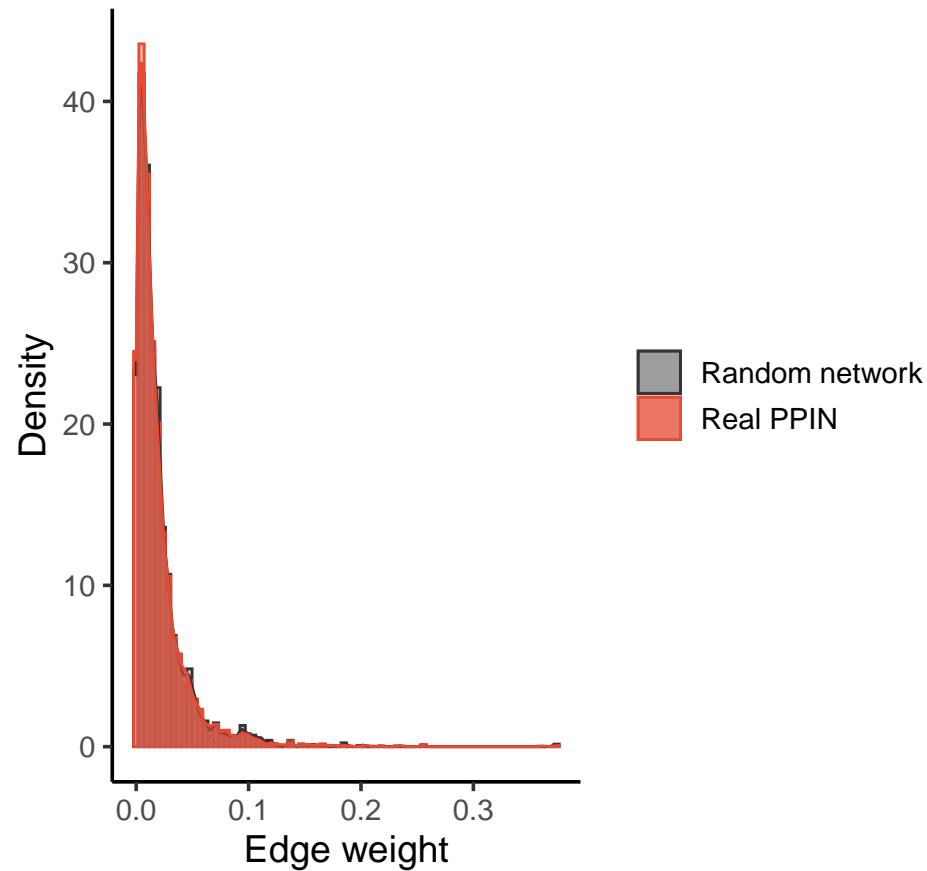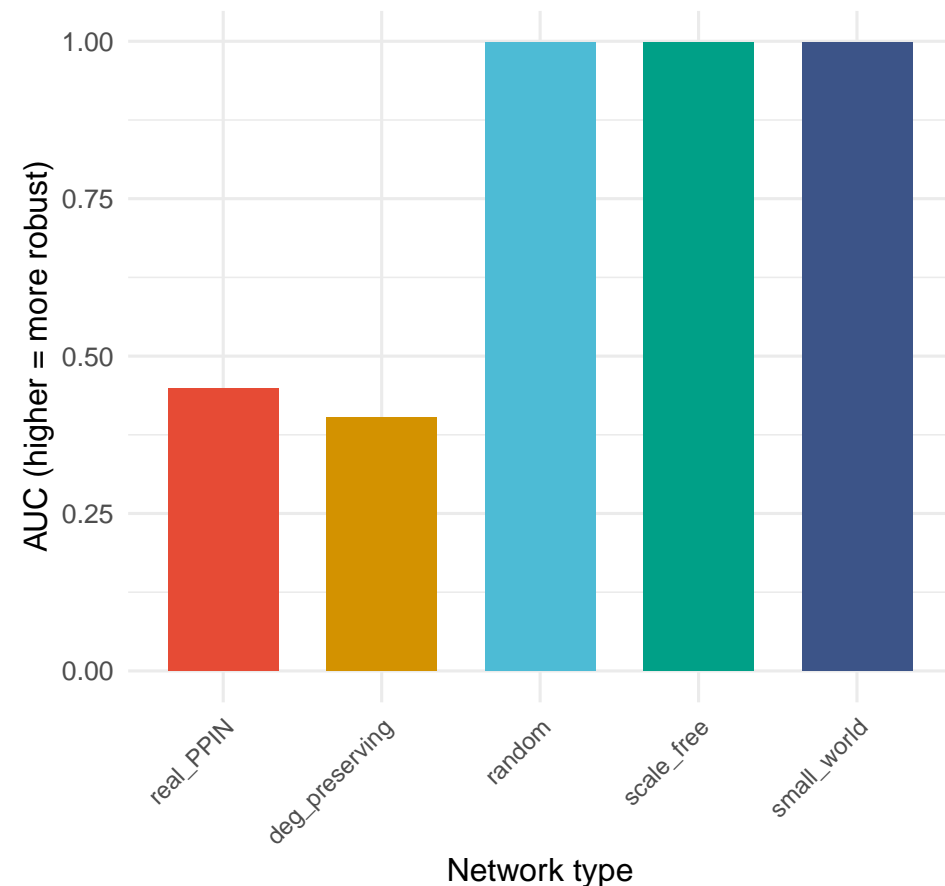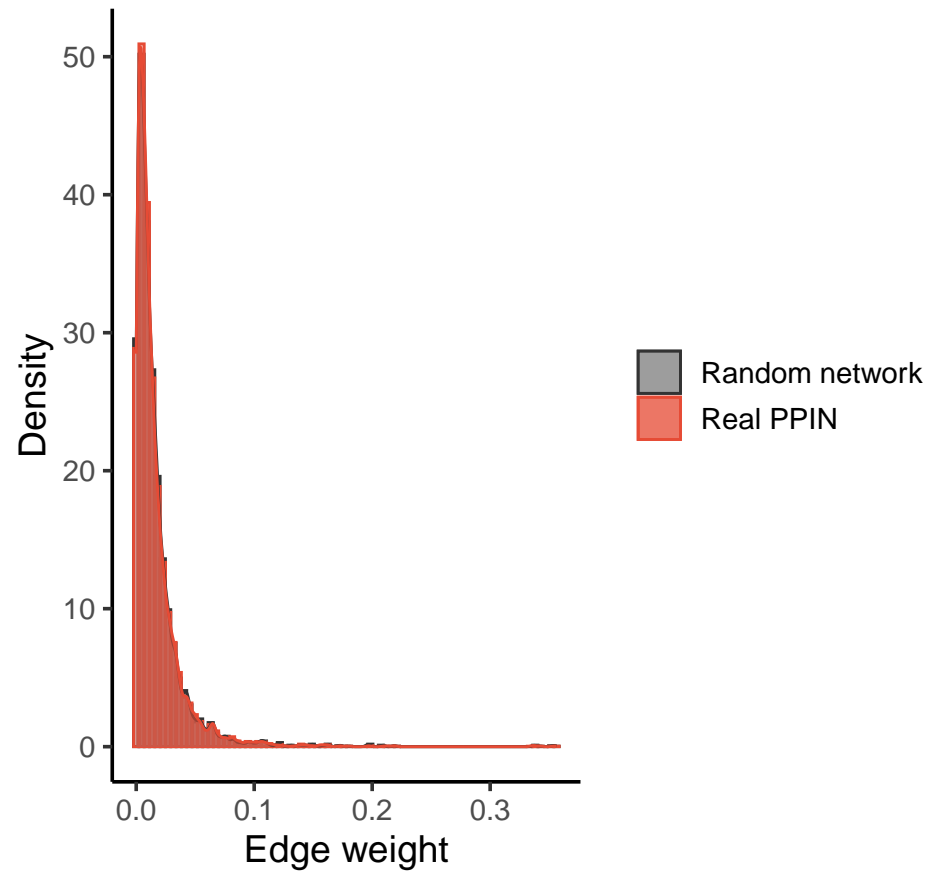
Edge–weight distribution — HiG_3 fragmentation under targeted-node attack — HiG_3 resilience (AUC of fragmentation curve)
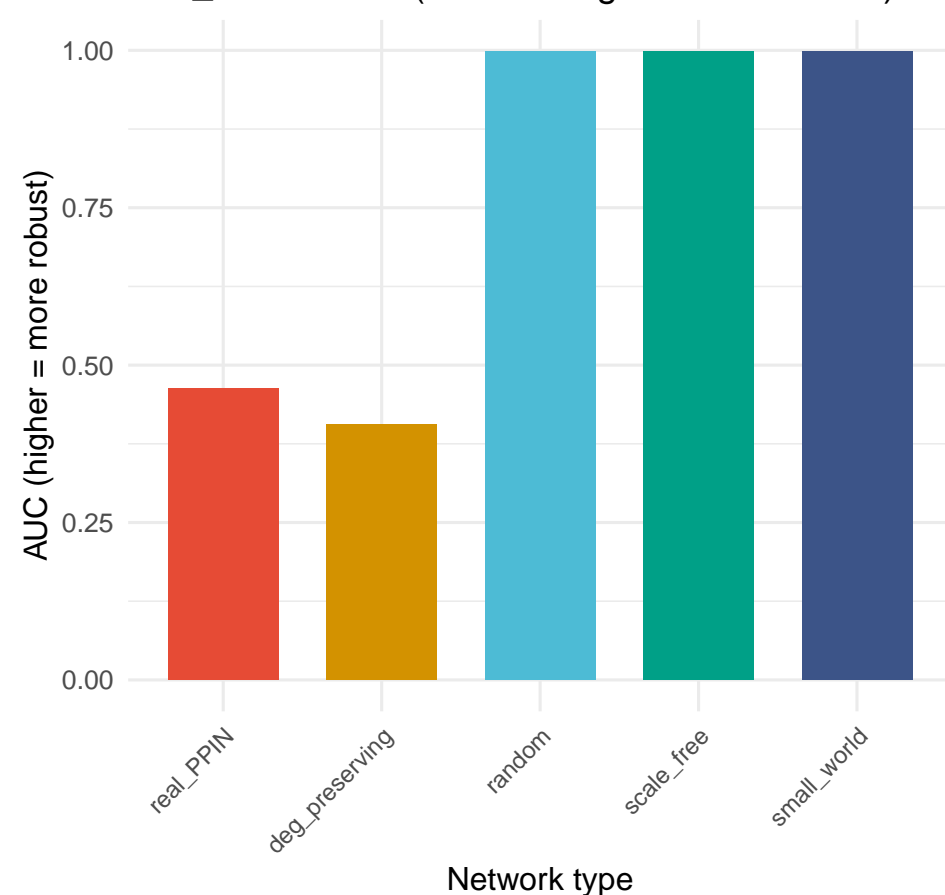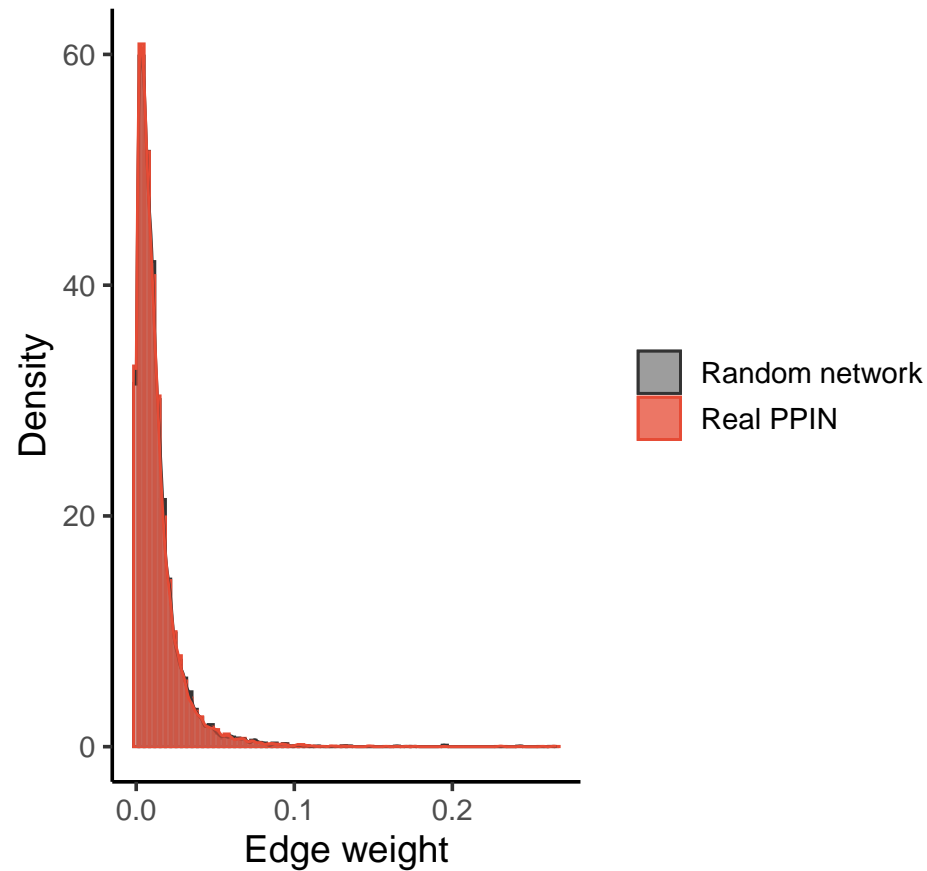
Edge−weight distribution

Density

Edge weight

Random network
Real PPIN

HiG_4 fragmentation under targeted−node attack

Fraction of largest component remaining

Fraction of vertices removed

network

real_PPIN
deg_preserving
random
scale_free
small_world

HiG_4 resilience (AUC of fragmentation curve)

AUC (higher = more robust)

Network type

real_PPIN
deg_preserving
random
scale_free
small_world

Edge-weight distribution

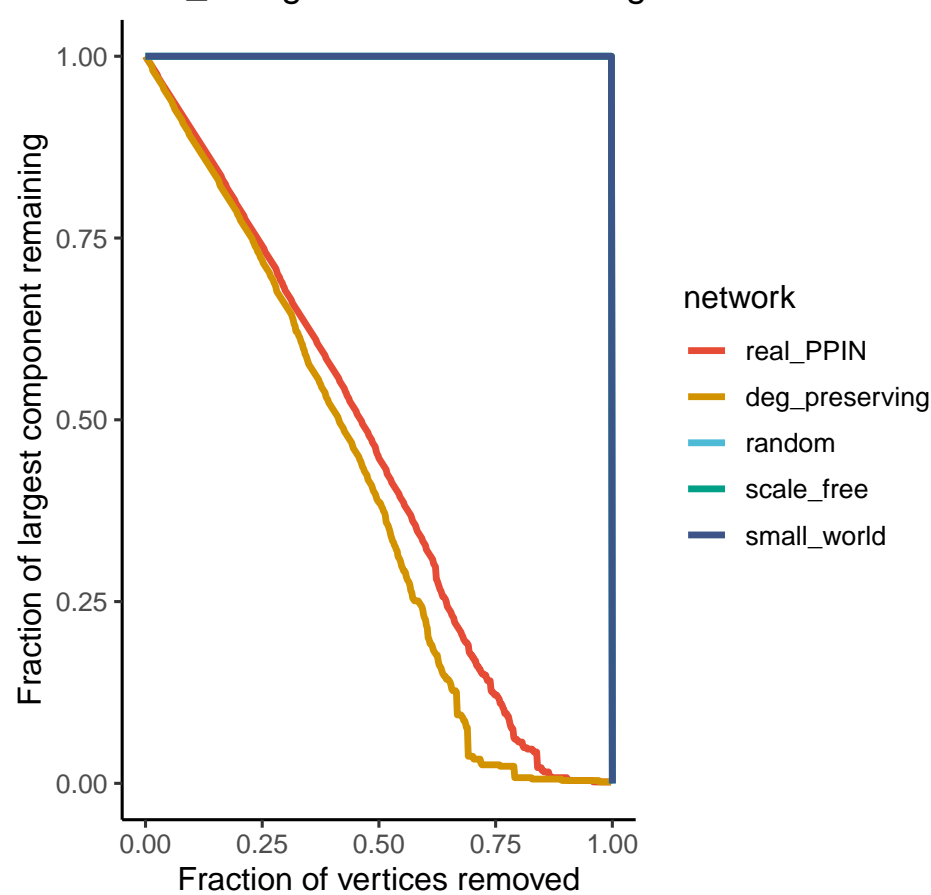**HiG_5 fragmentation under targeted-node attack**

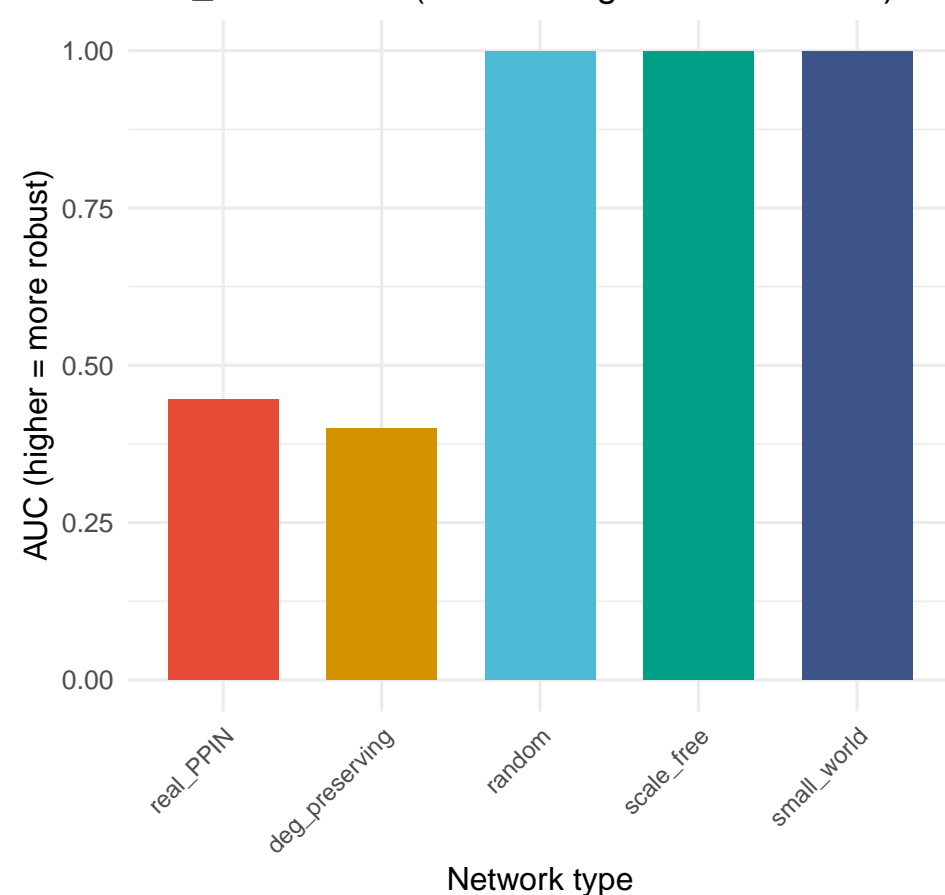**HiG_5 resilience (AUC of fragmentation curve)**
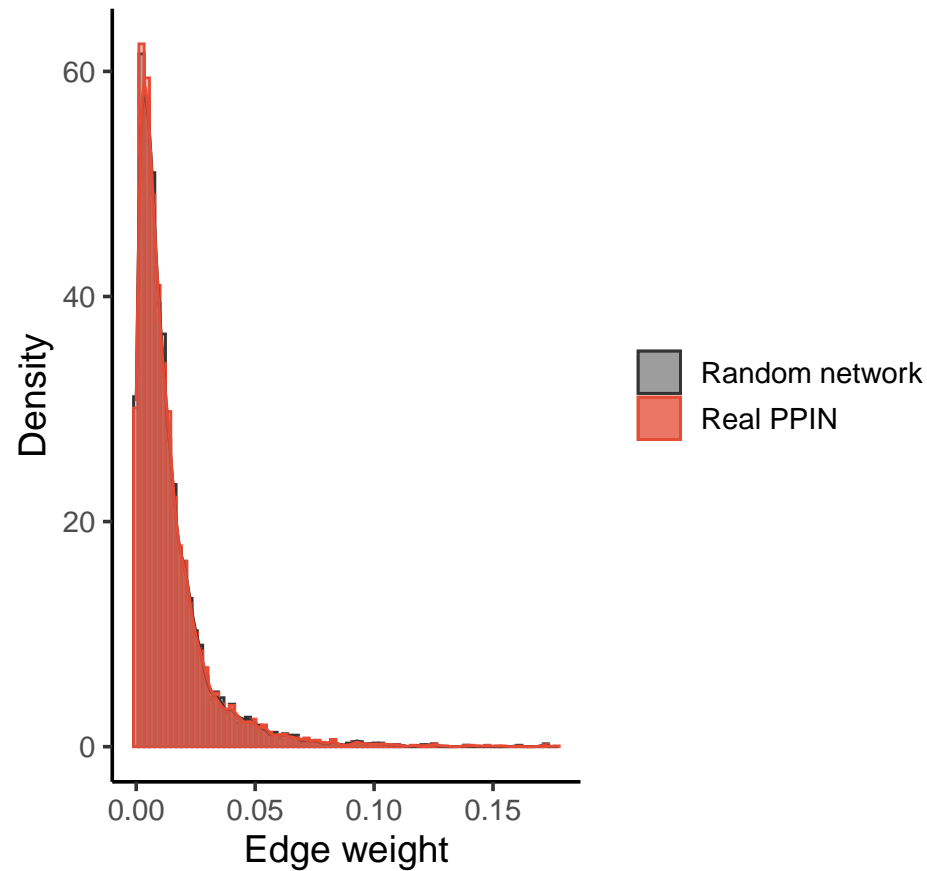
Edge-weight distribution
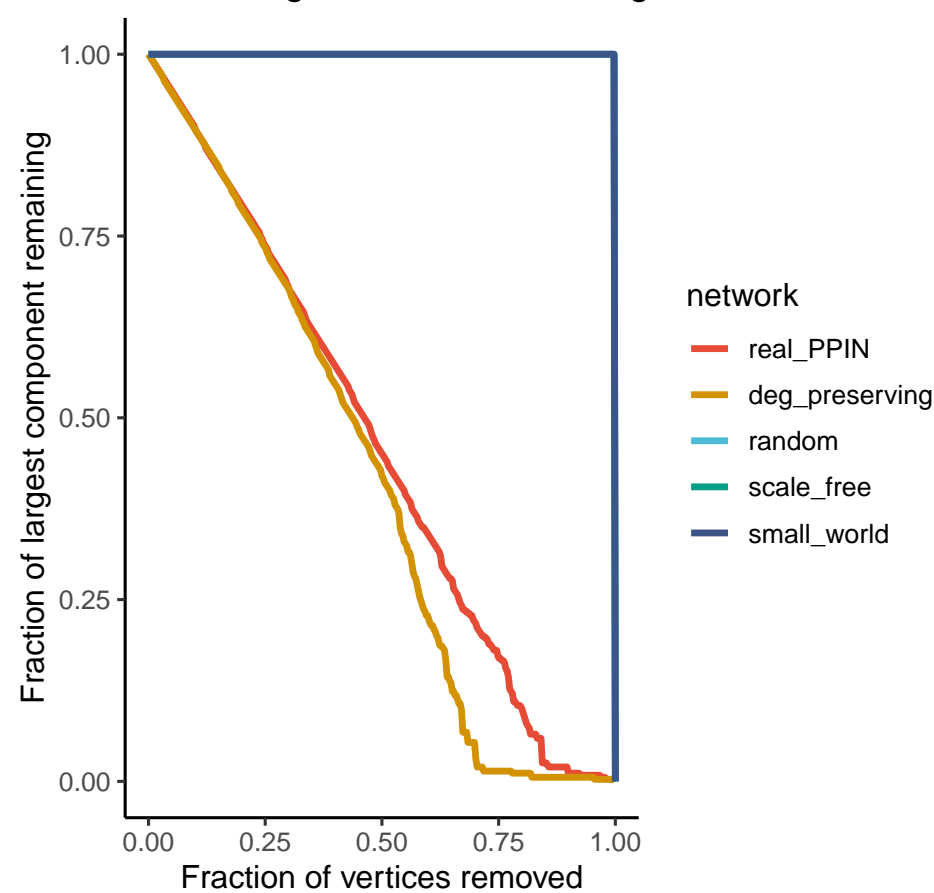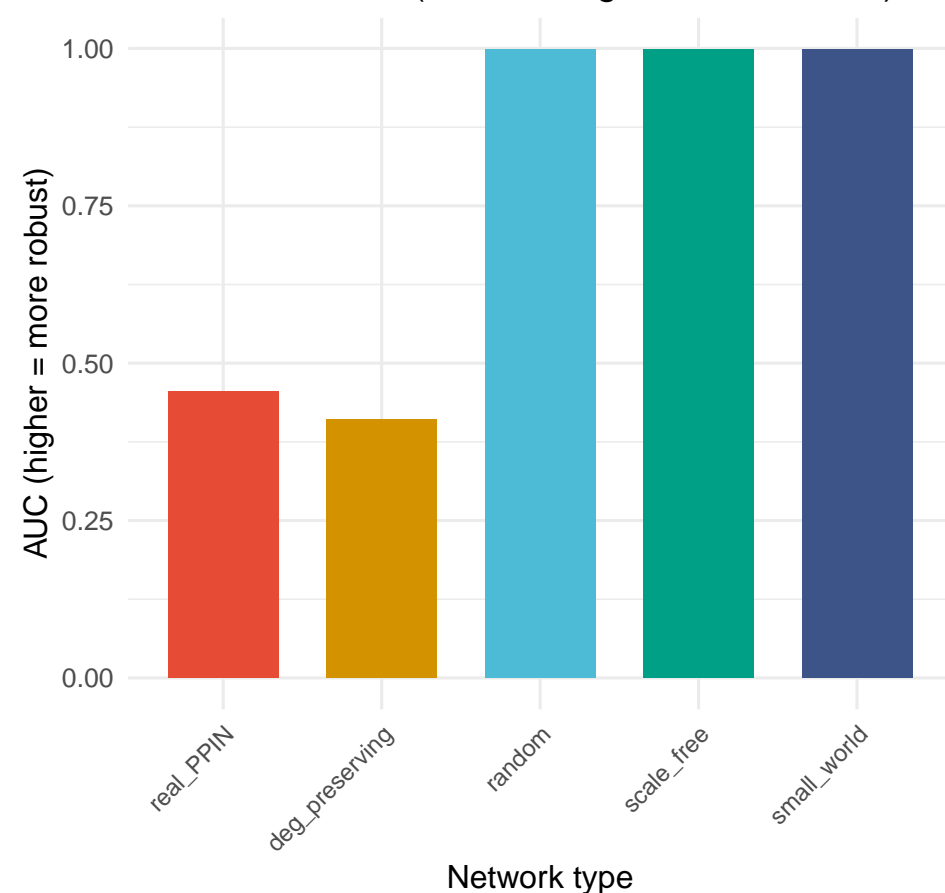
HiG_6 fragmentation under targeted-node attack

HiG_6 resilience (AUC of fragmentation curve)
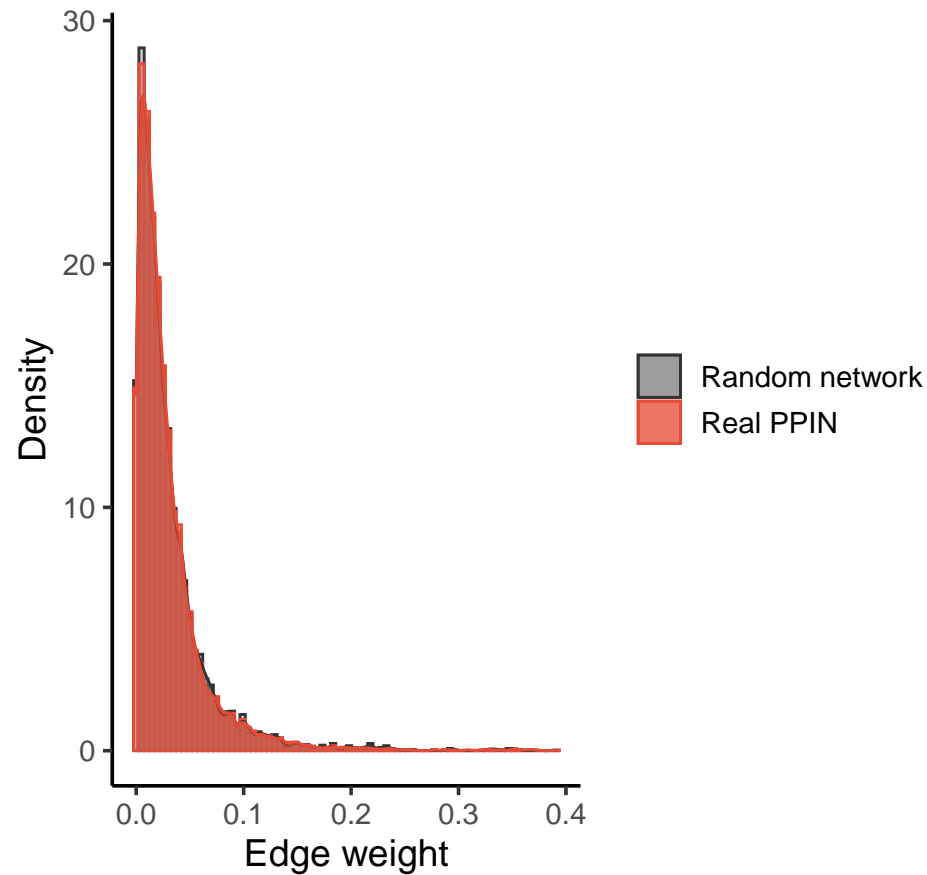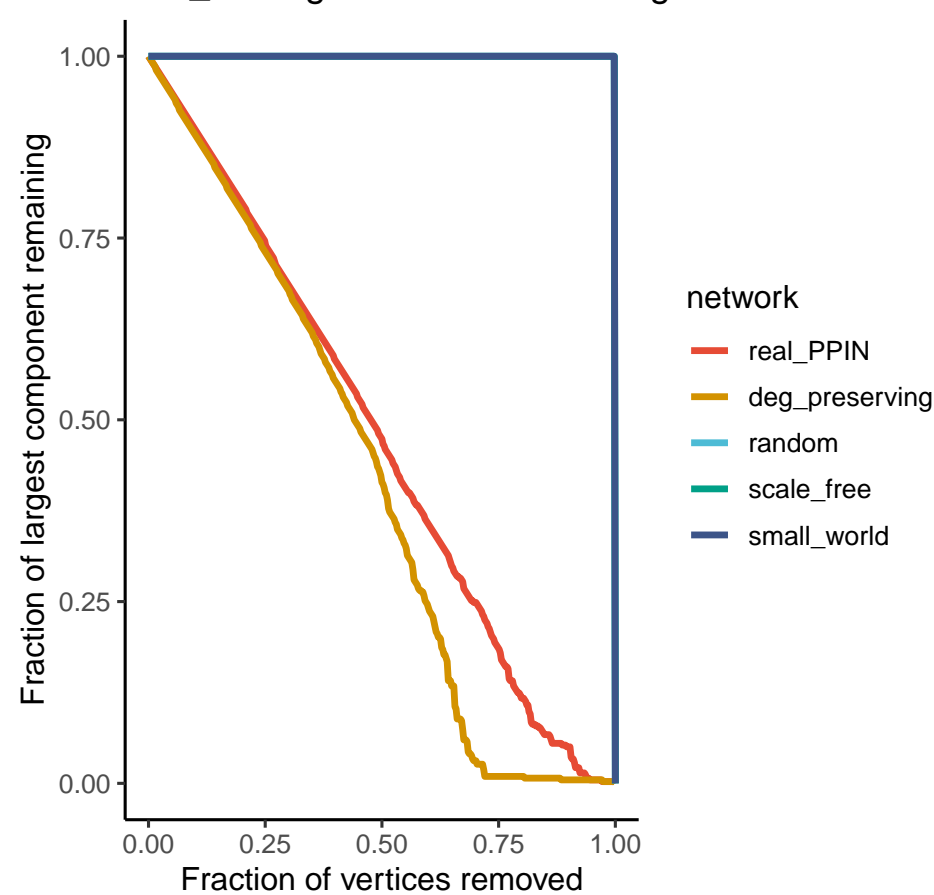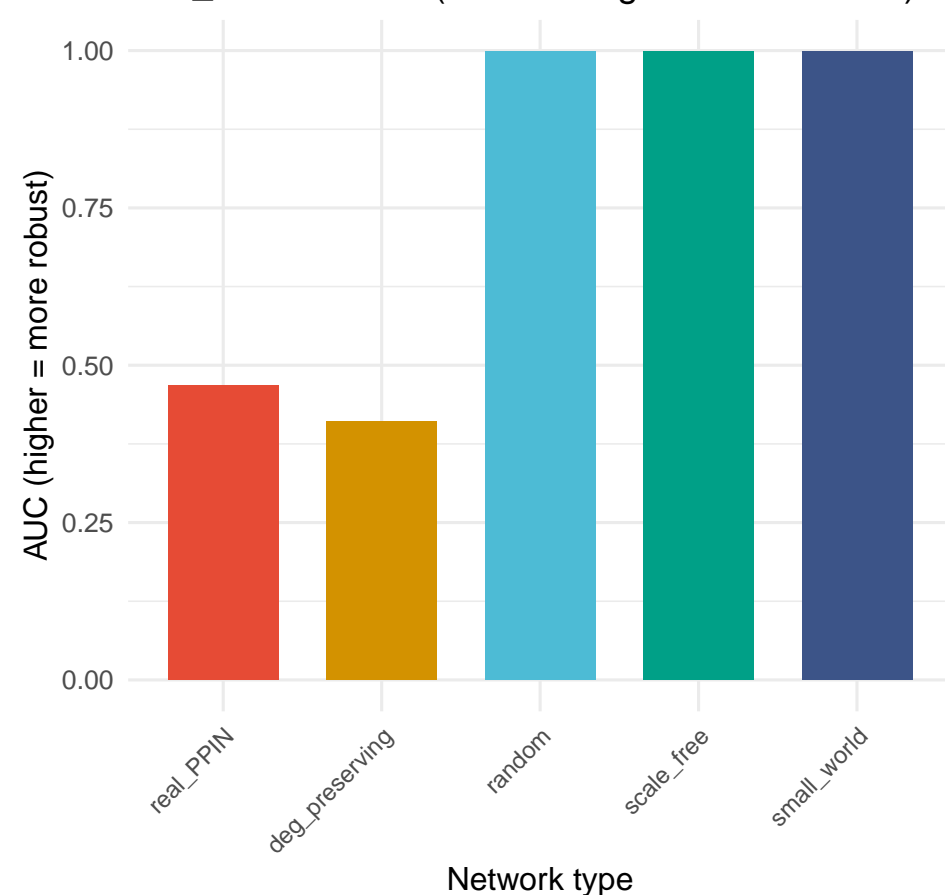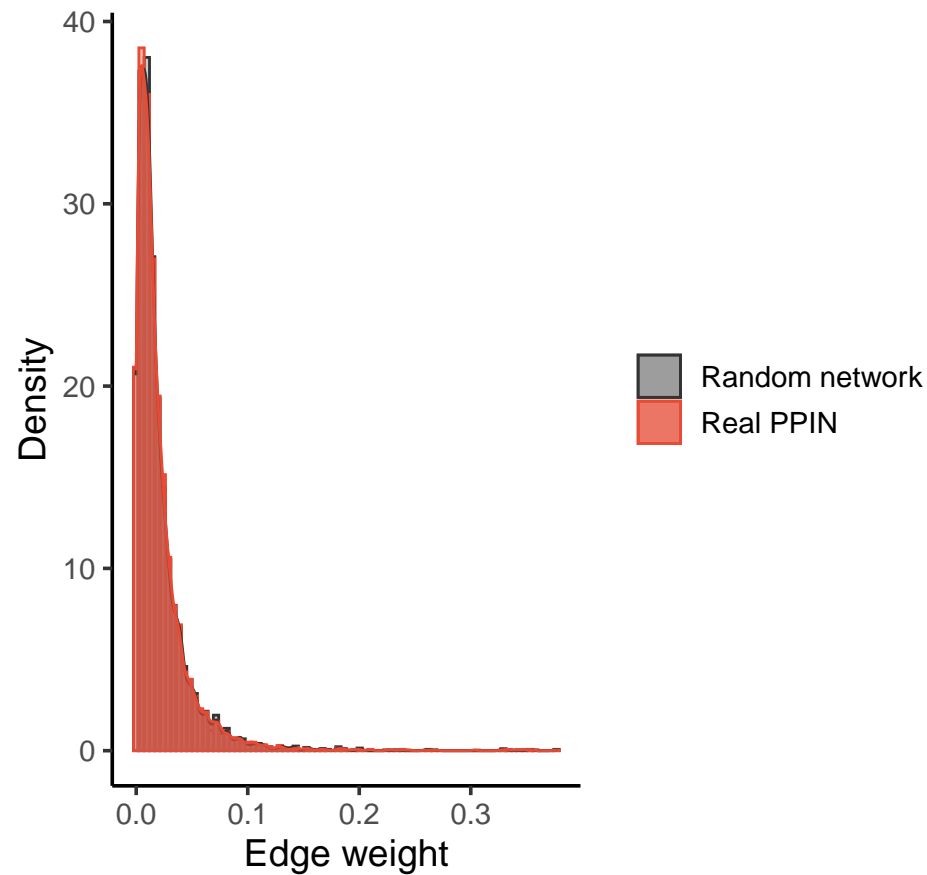
Edge–weight distribution

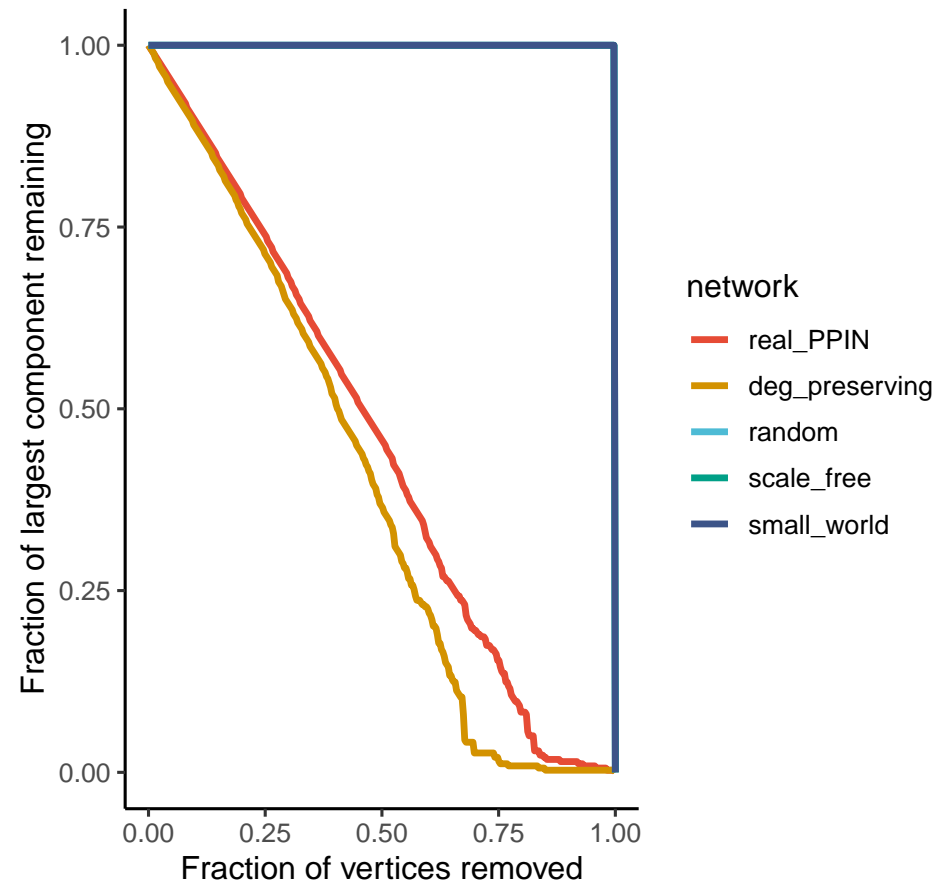HiG_9 fragmentation under targeted–node attack
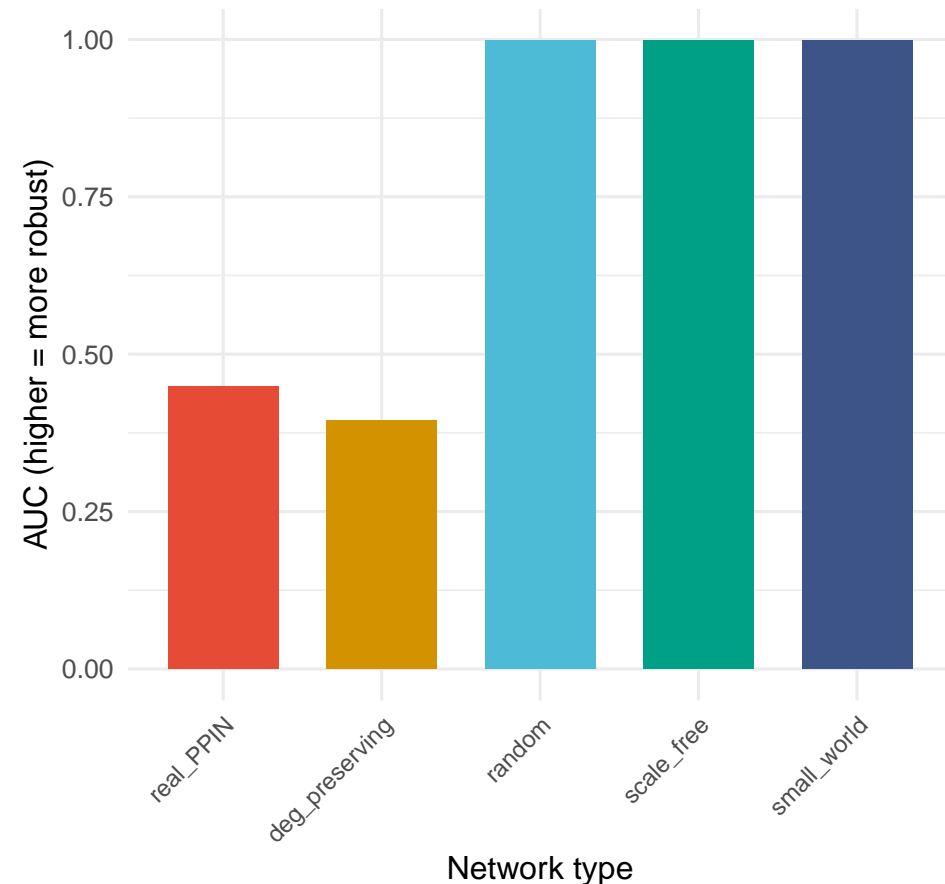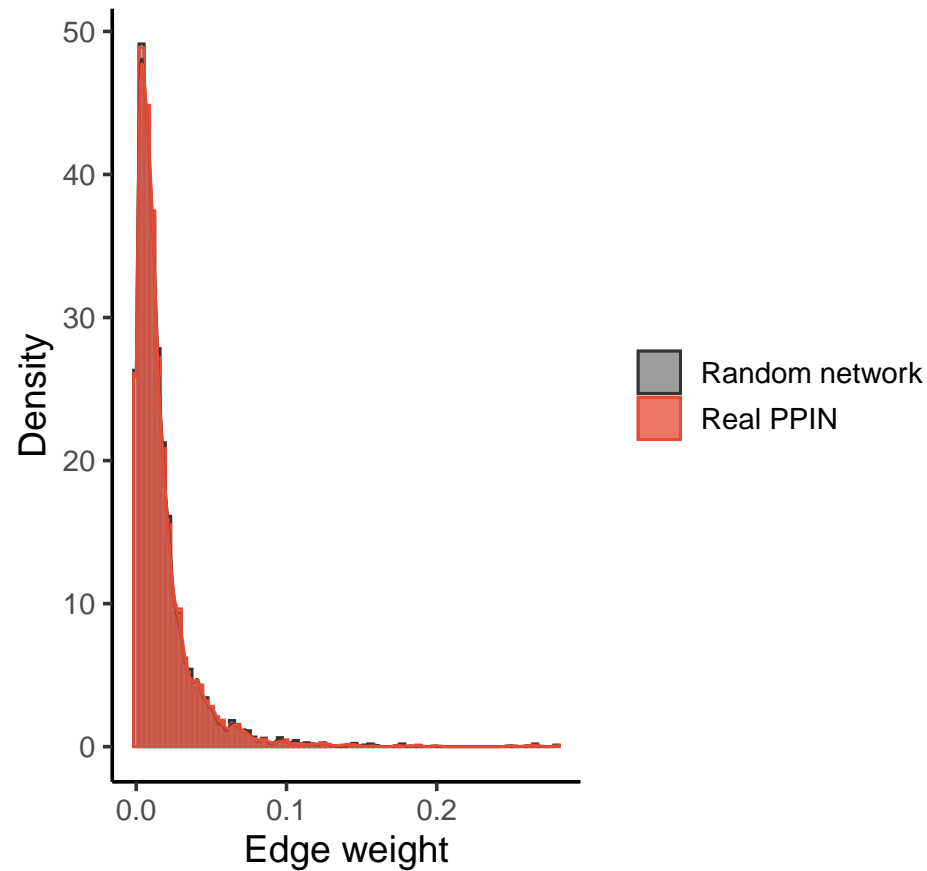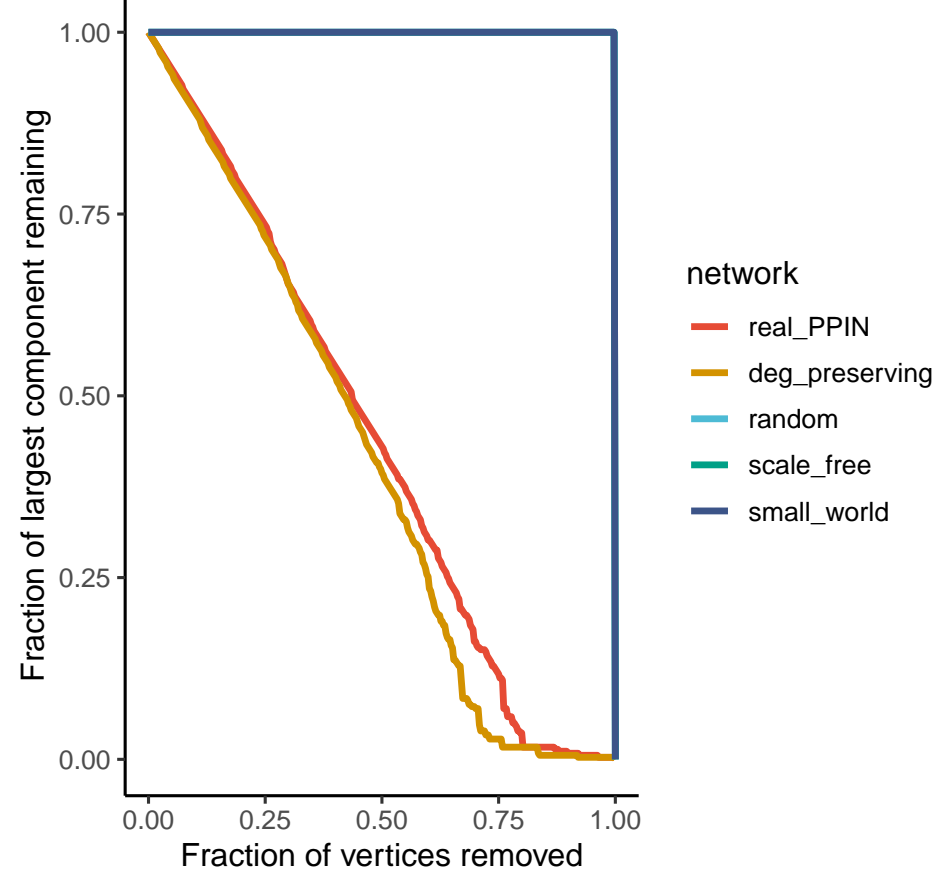
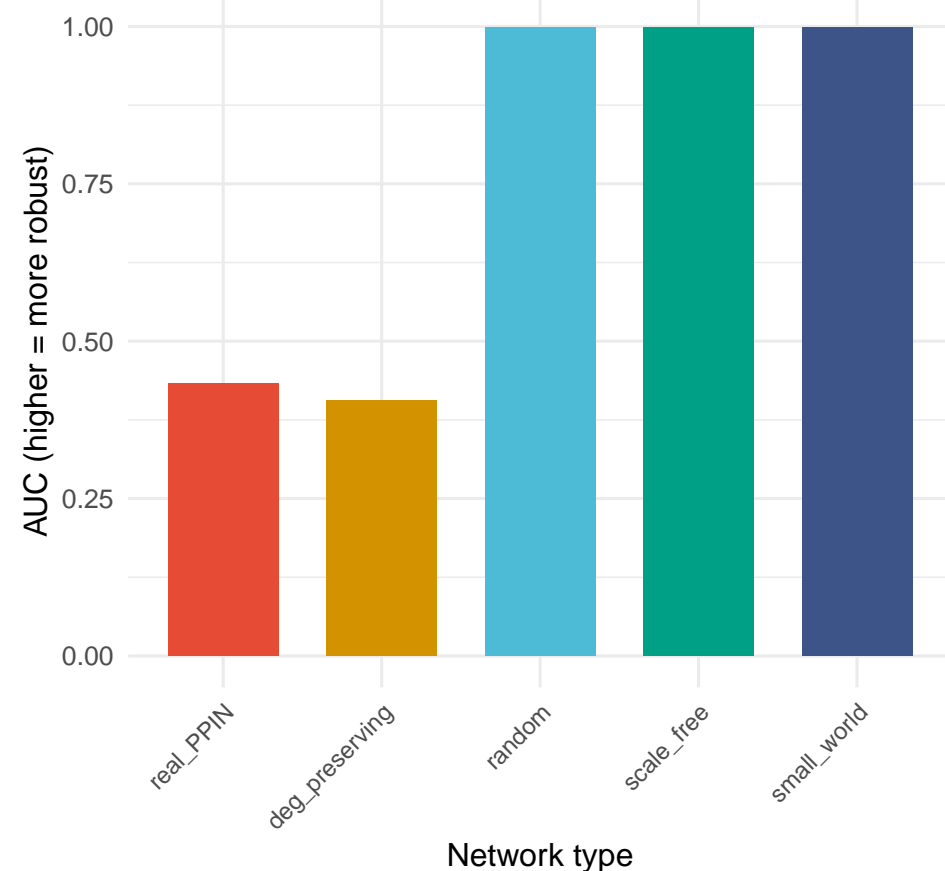HiG_9 resilience (AUC of fragmentation curve)
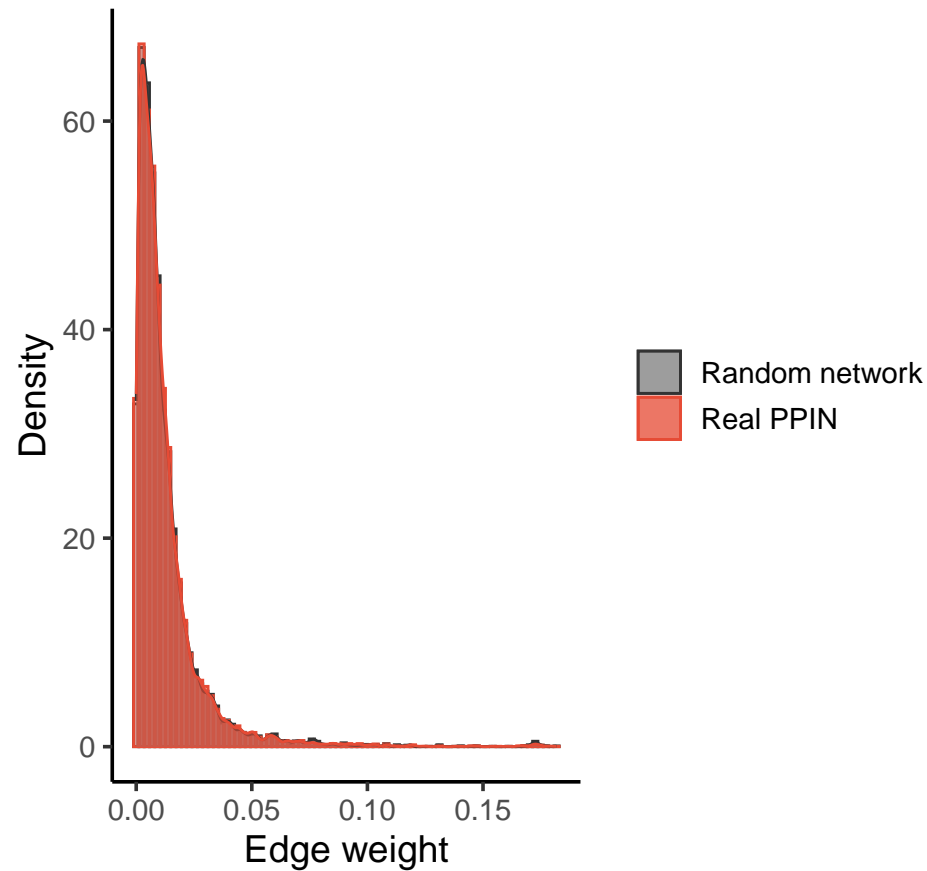
Edge−weight distribution

HiG_10 fragmentation under targeted−node attack

HiG_10 resilience (AUC of fragmentation curve)

Edge–weight distribution | HiG_12 fragmentation under targeted–node attack | HiG_12 resilience (AUC of fragmentation curve)

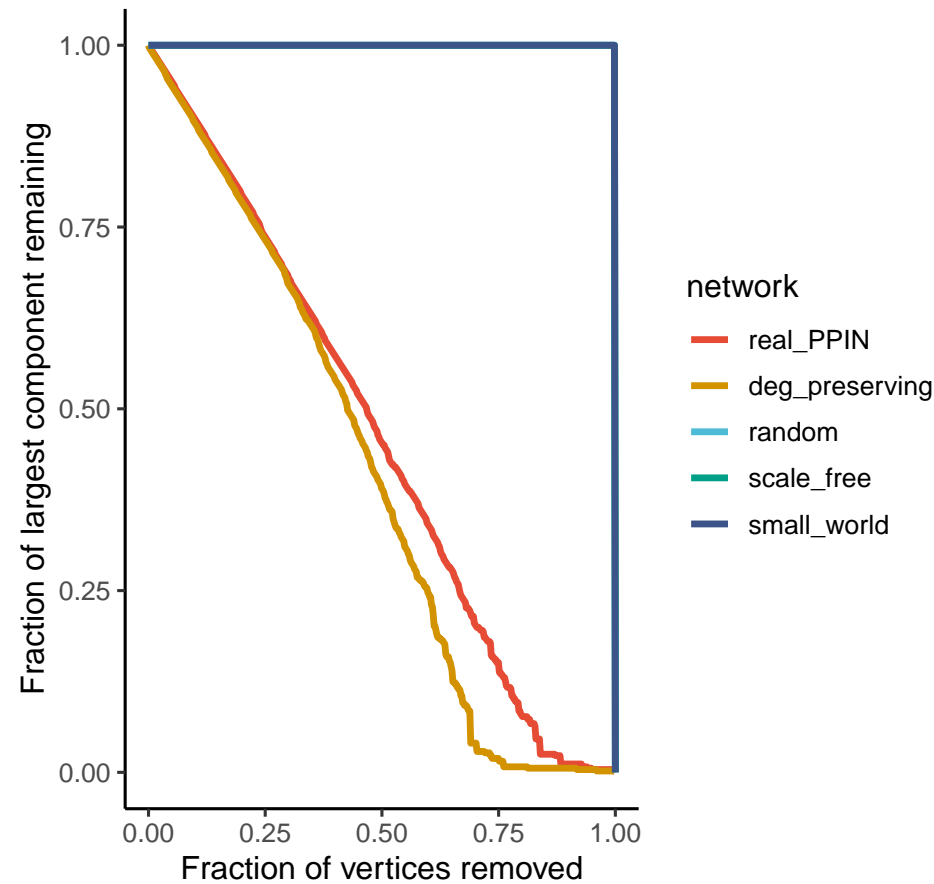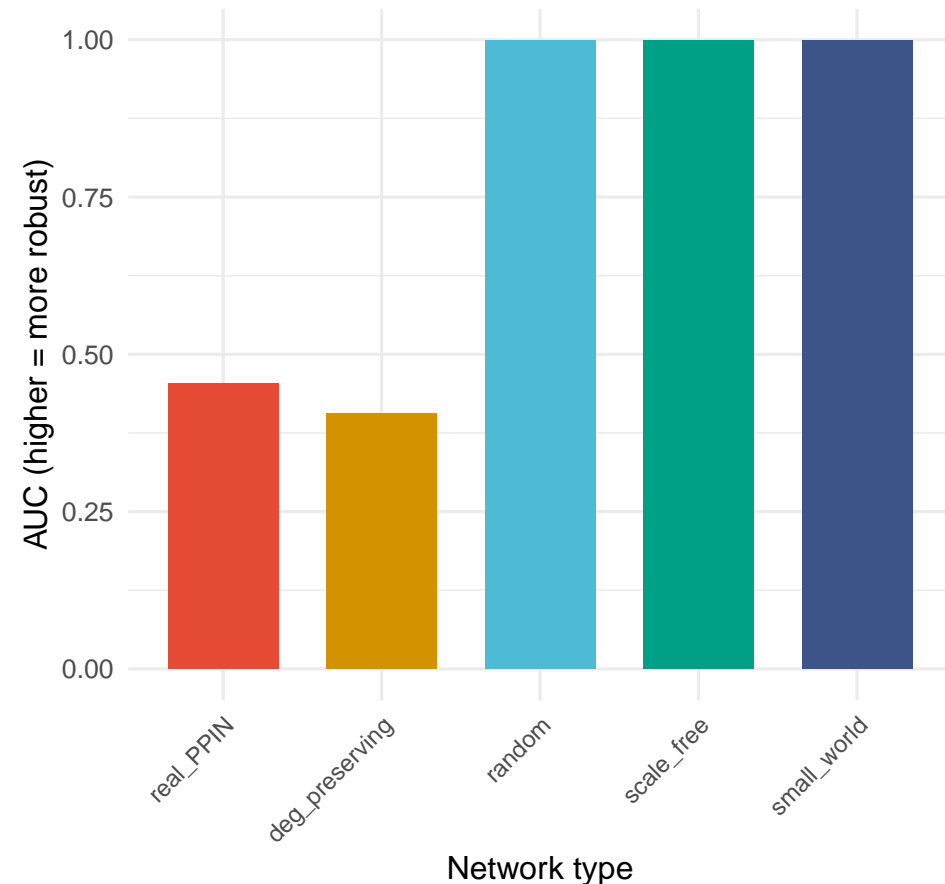**Edge-weight distribution** · HiG_14 fragmentation under targeted-node attack · HiG_14 resilience (AUC of fragmentation curve)
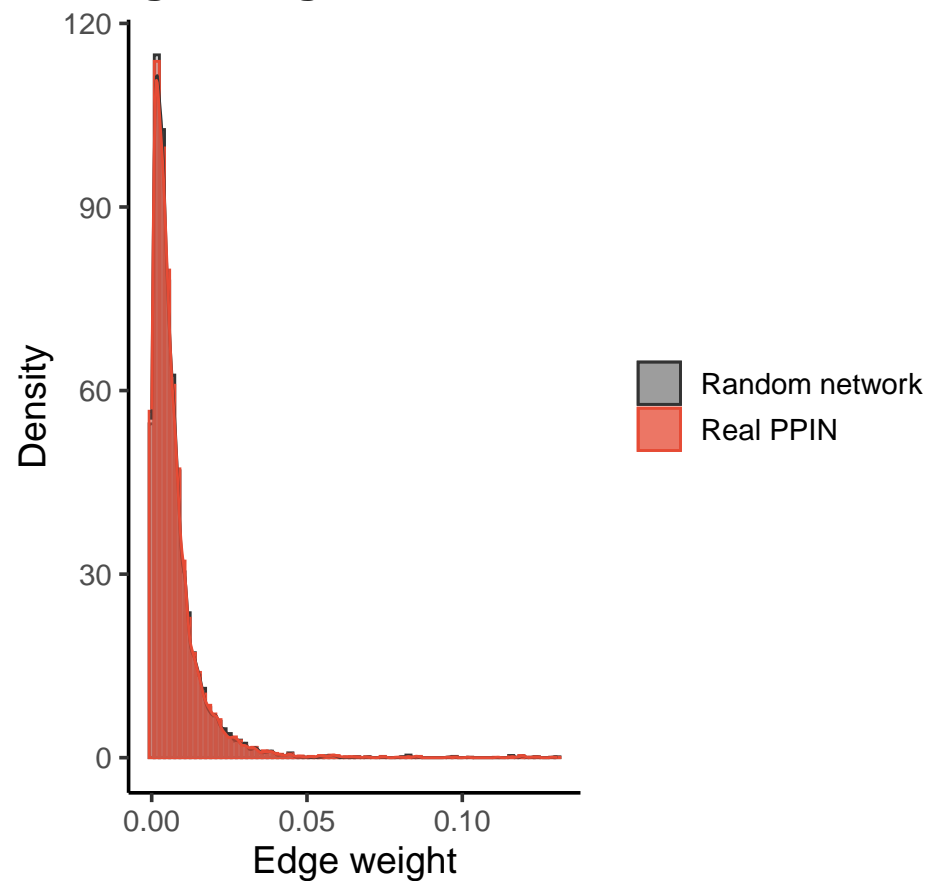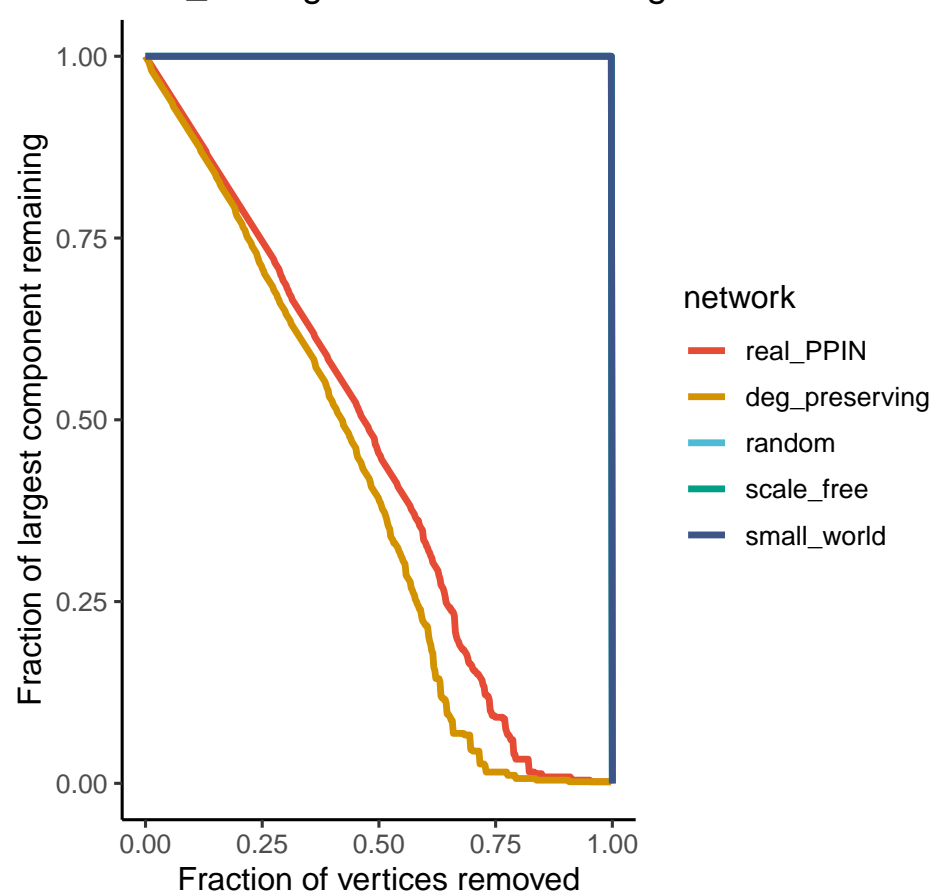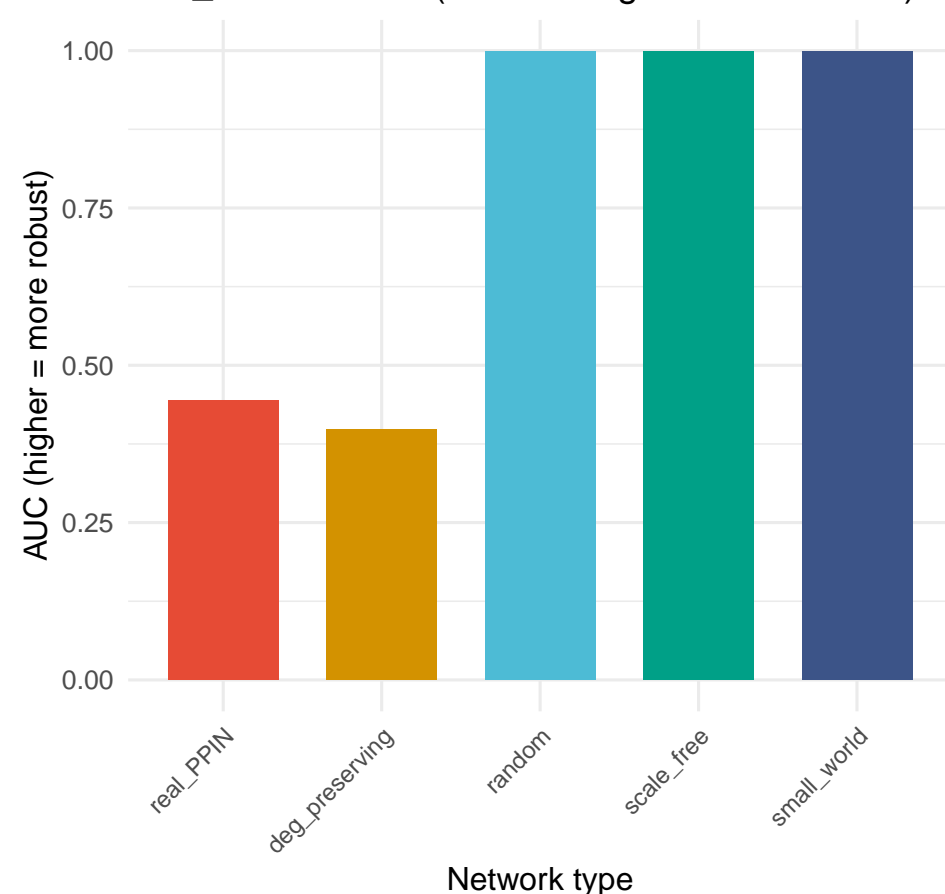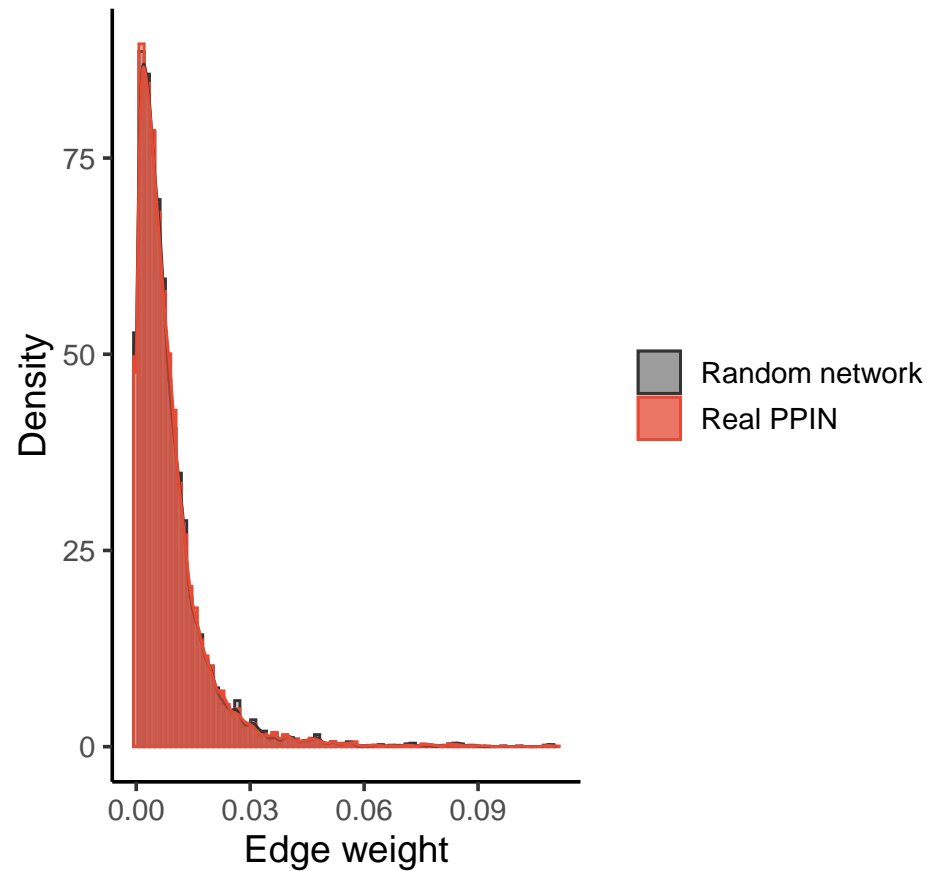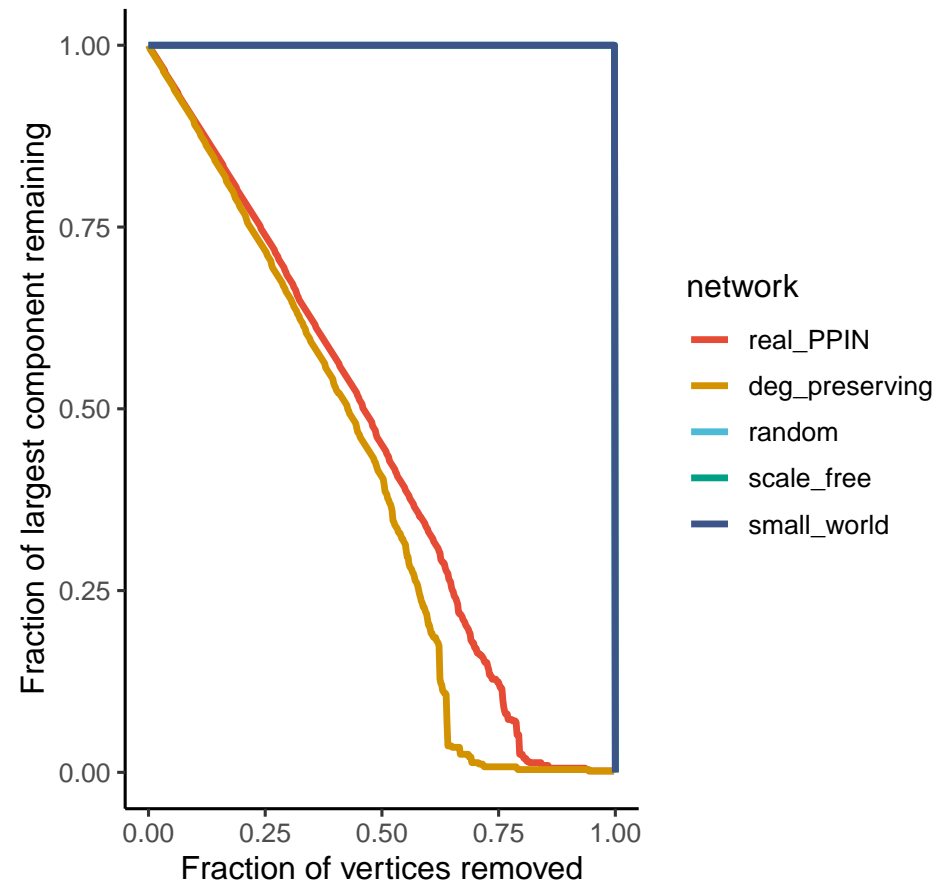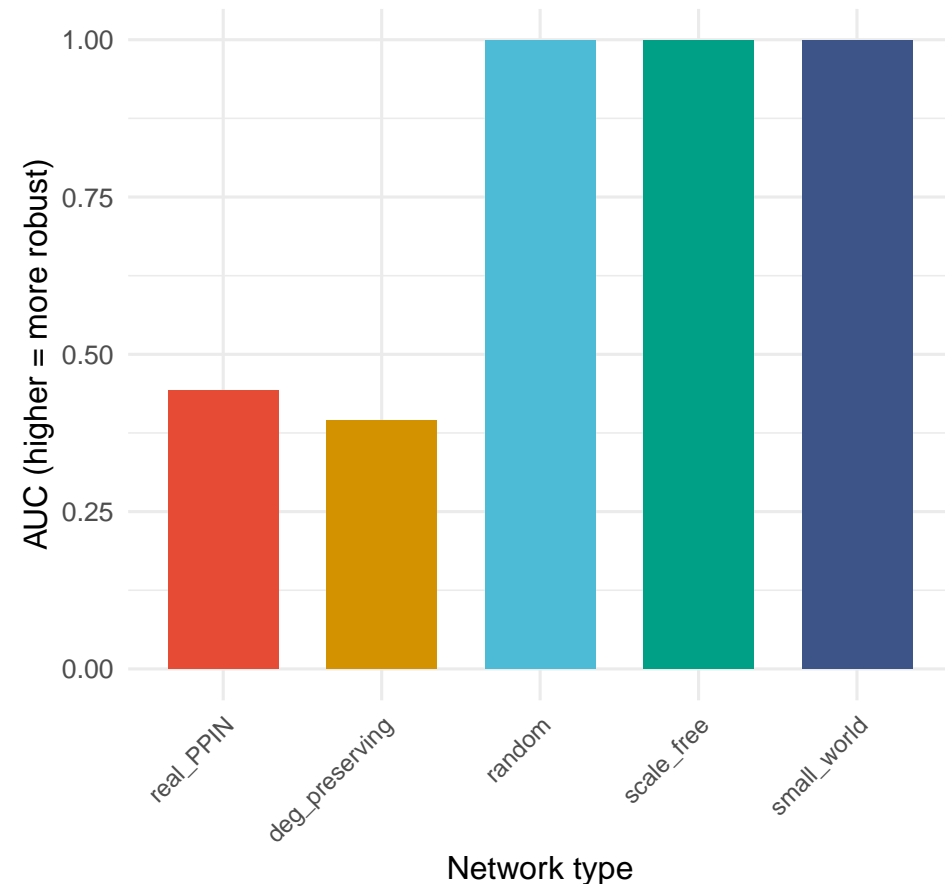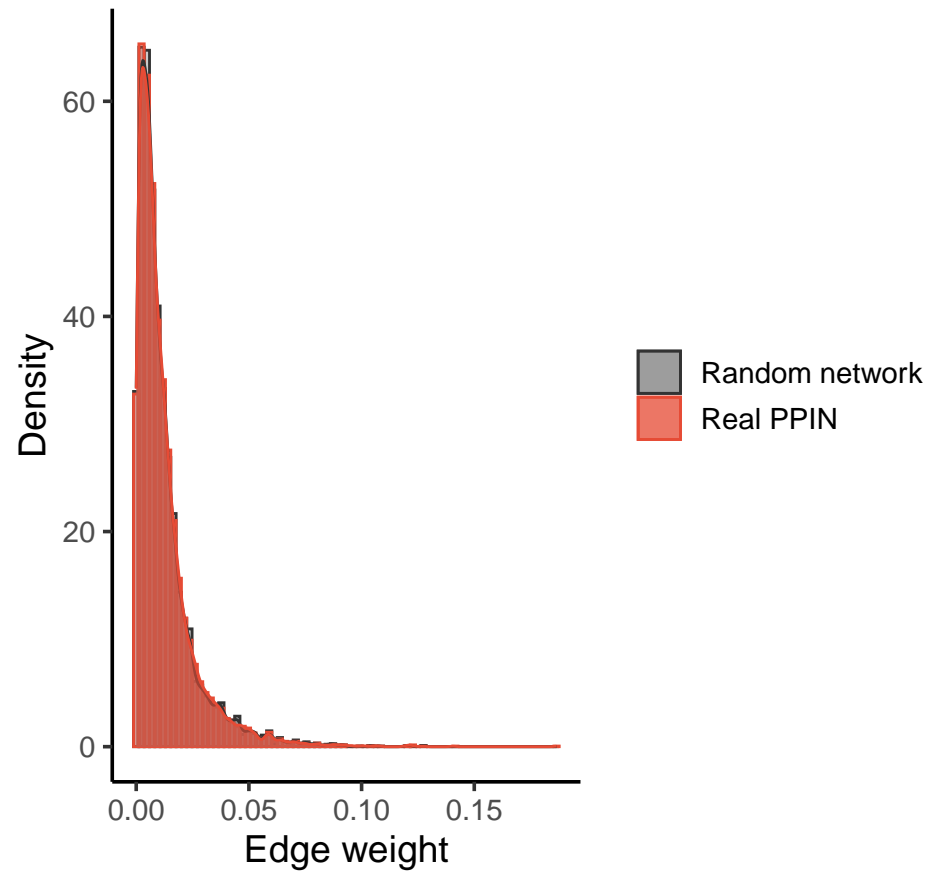
Edge−weight distribution

HiG_17 fragmentation under targeted−node attack

HiG_17 resilience (AUC of fragmentation curve)

Edge−weight distribution (leftmost panel), **HiG_18 fragmentation under targeted−node attack** (middle panel), **HiG_18 resilience (AUC of fragmentation curve)** (rightmost panel)

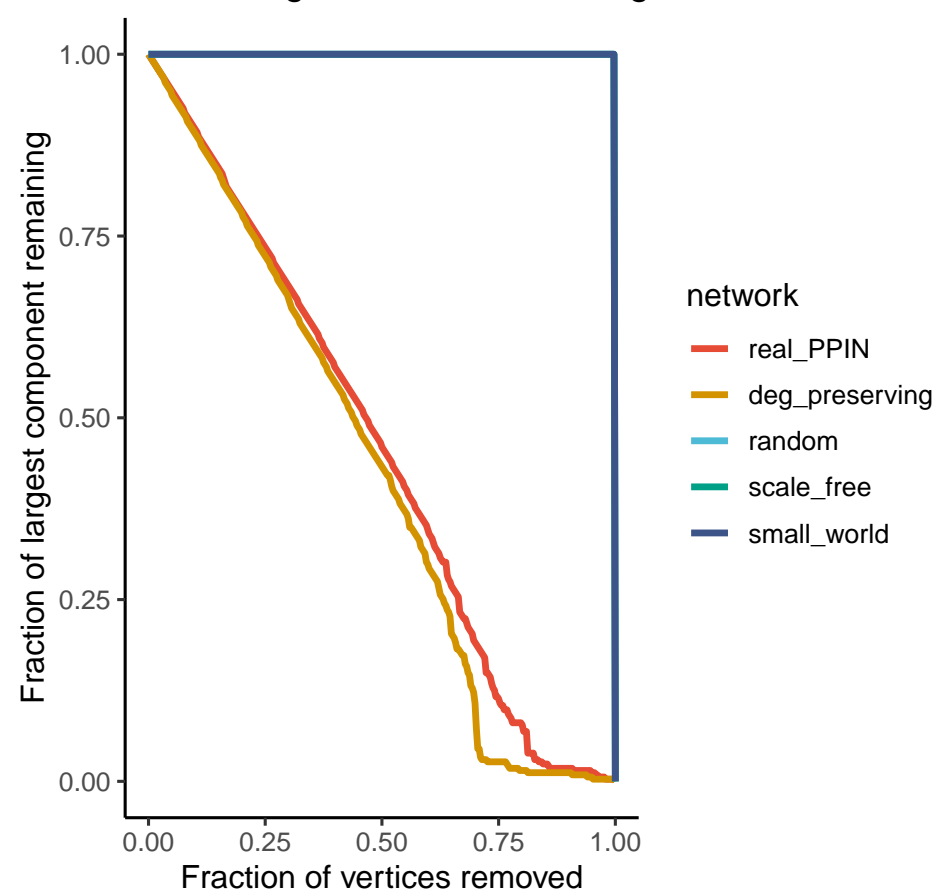**Edge–weight distribution** | HiG_19 fragmentation under targeted–node attack | HiG_19 resilience (AUC of fragmentation curve)
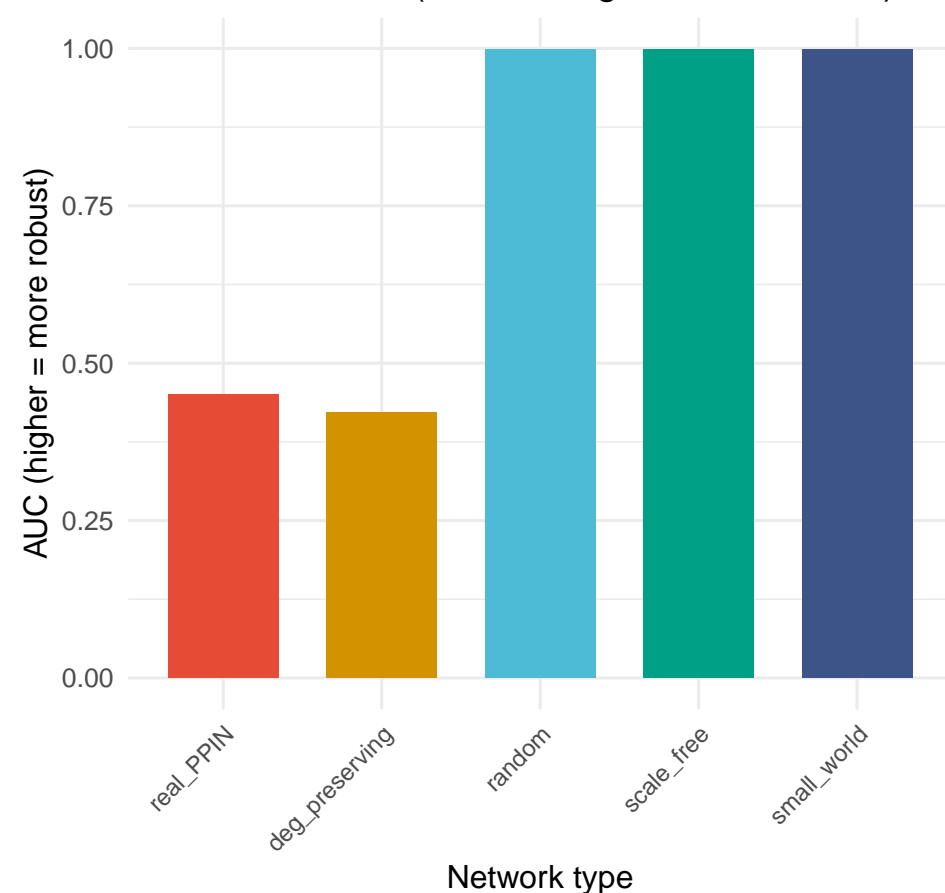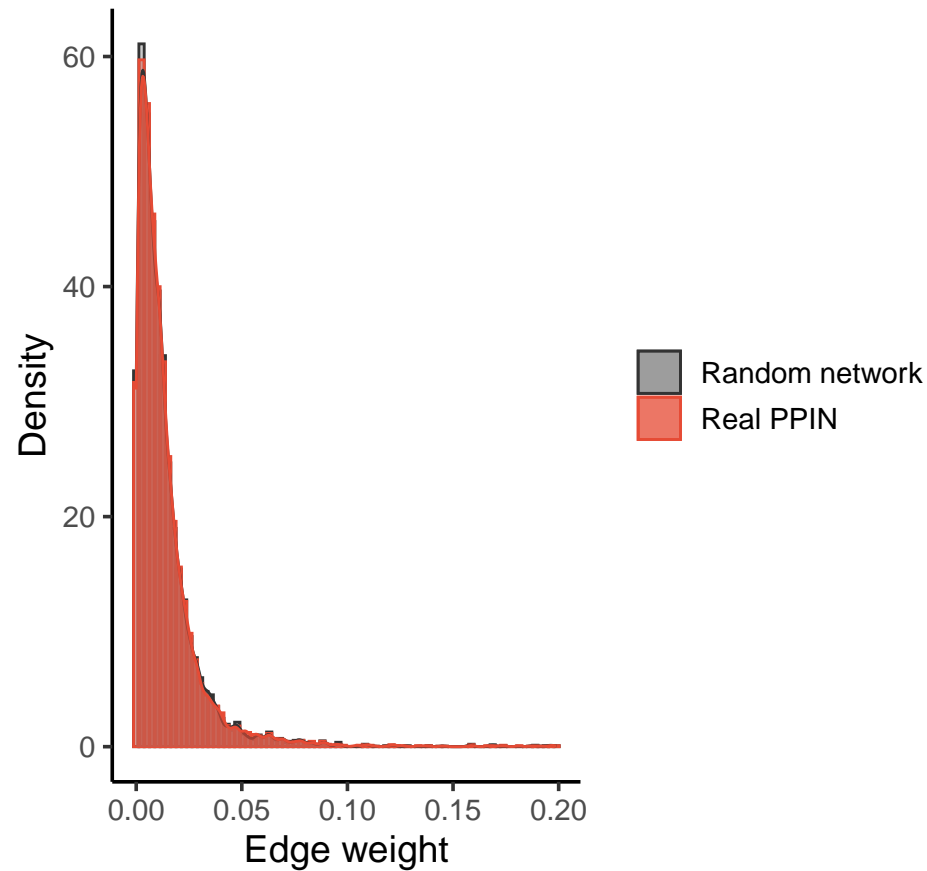
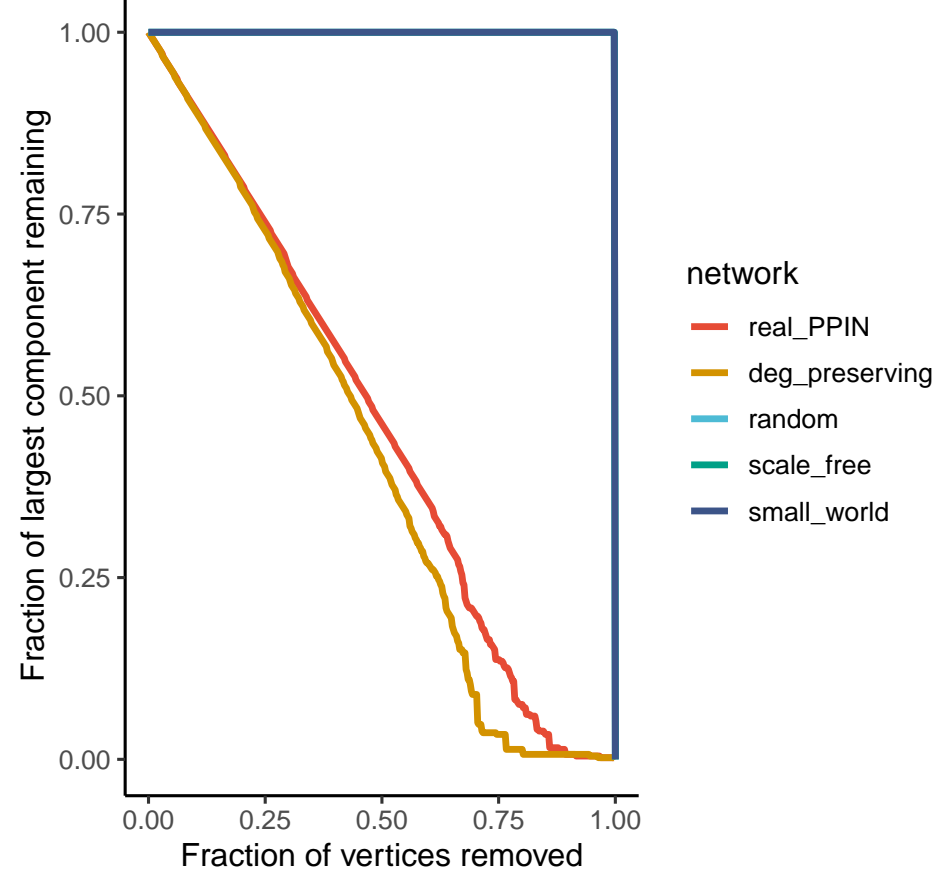**Edge–weight distribution** | HiG_7 fragmentation under targeted–node attack | HiG_7 resilience (AUC of fragmentation curve)
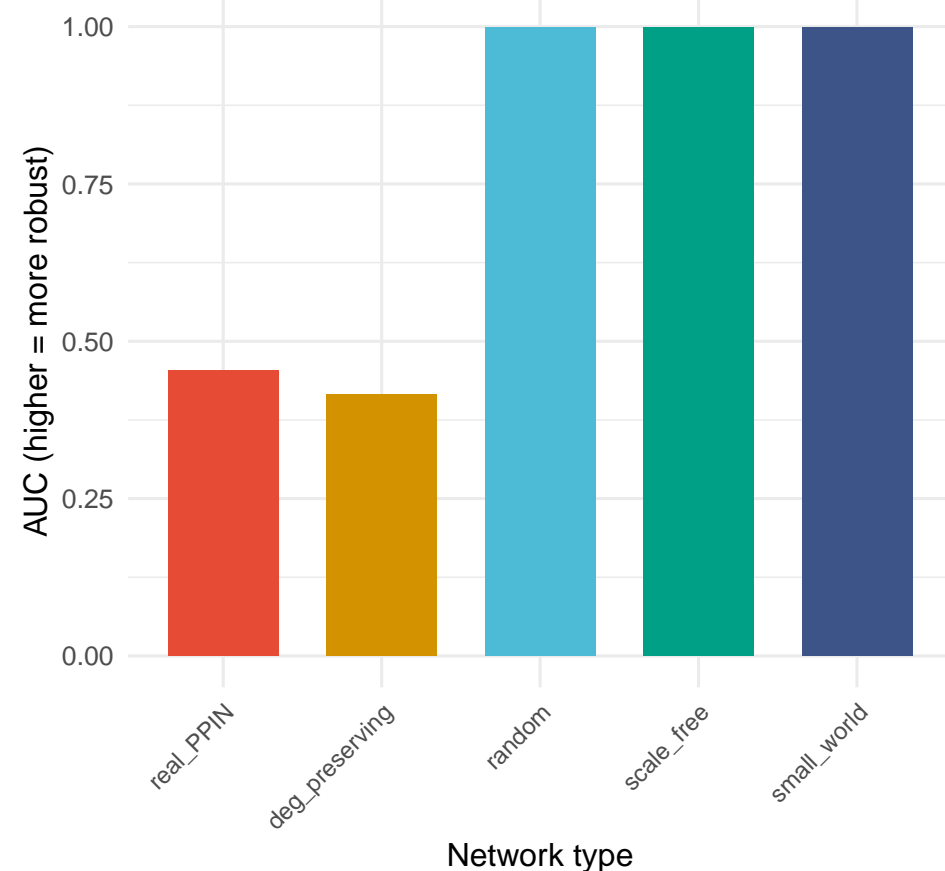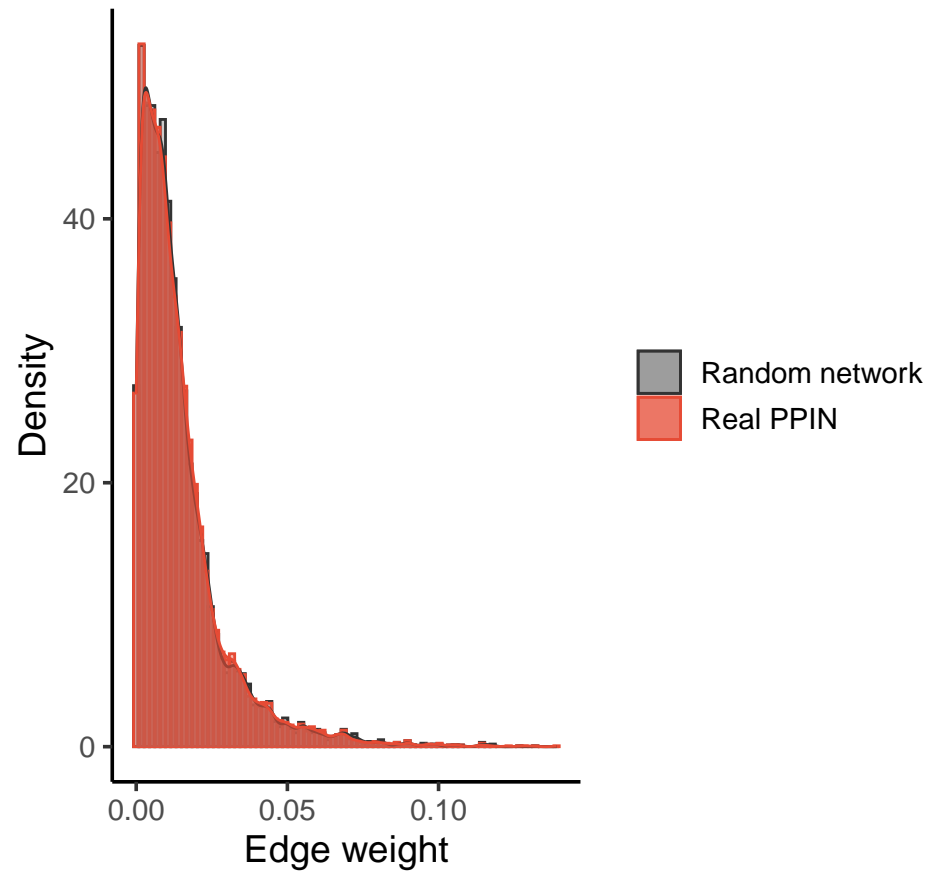
Edge–weight distribution

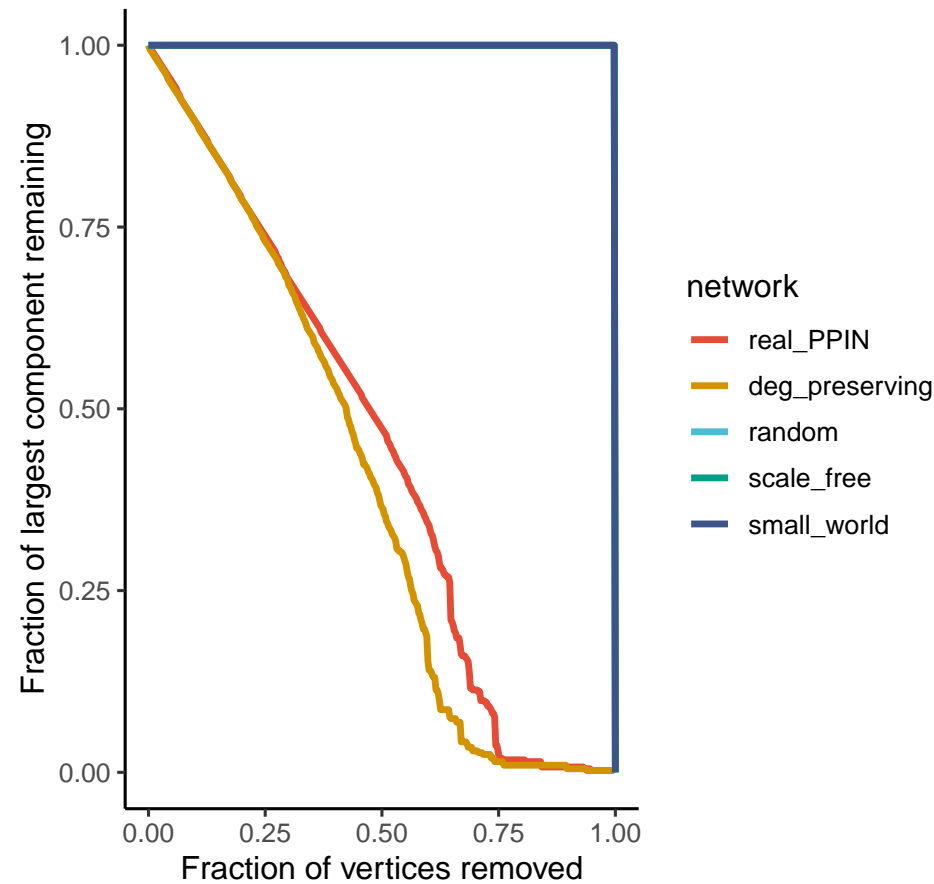HiG_11 fragmentation under targeted–node attack
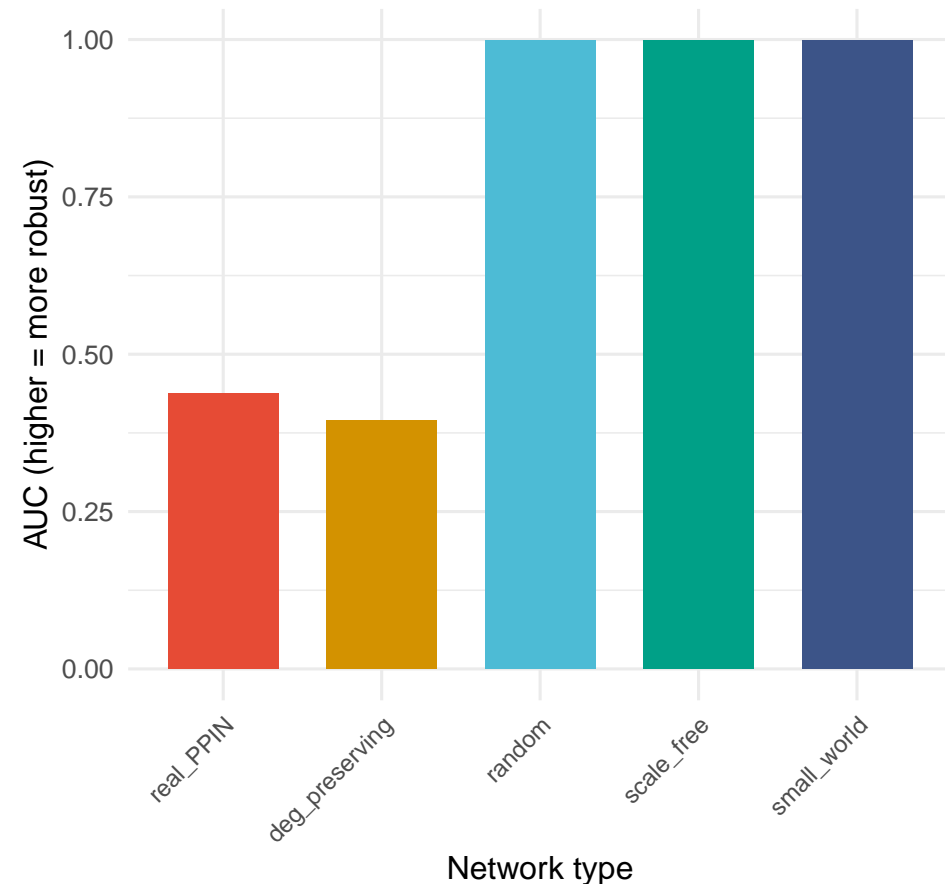
HiG_11 resilience (AUC of fragmentation curve)
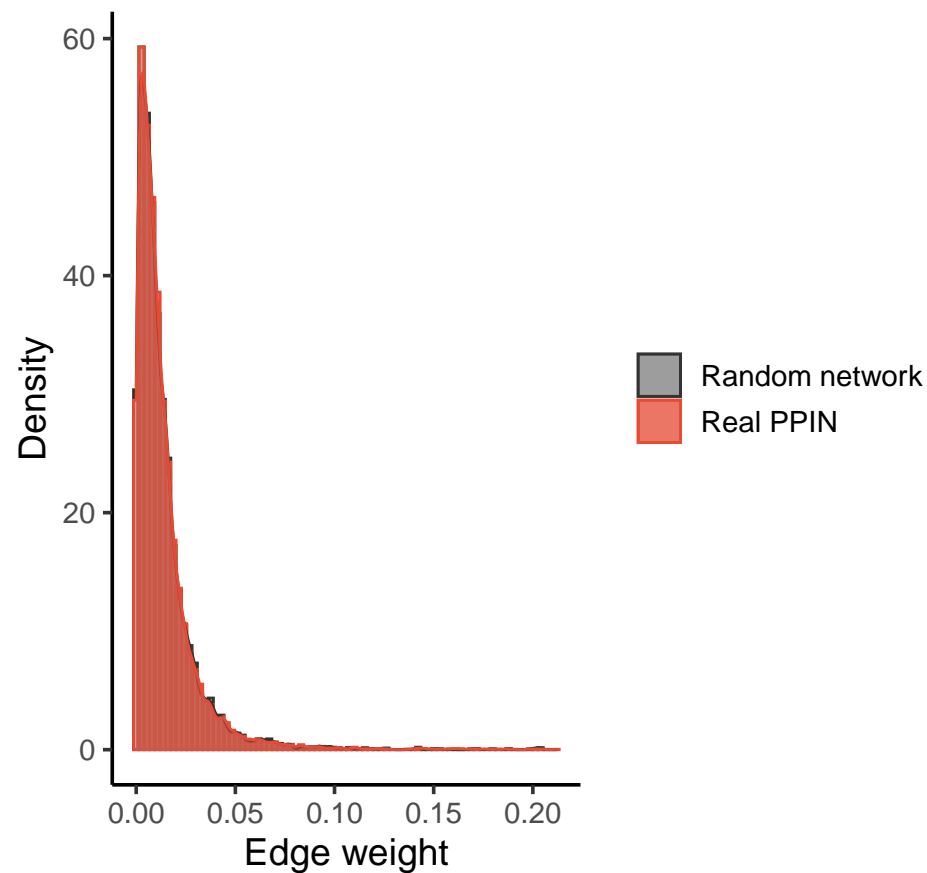
Edge–weight distribution

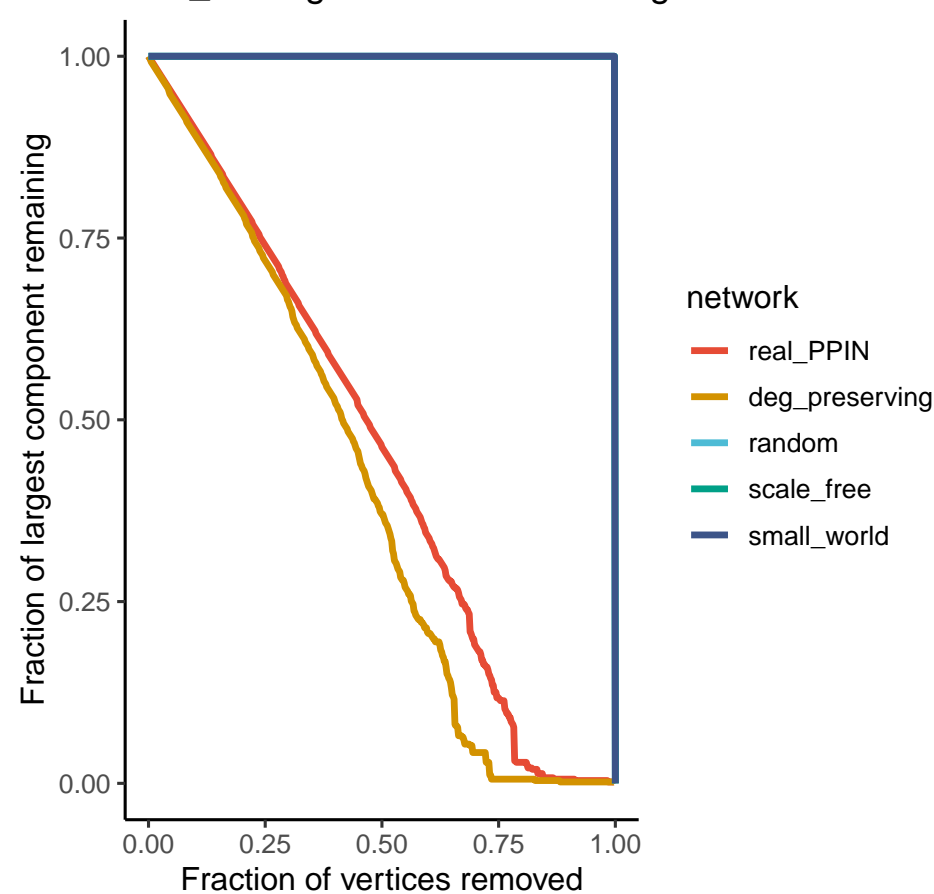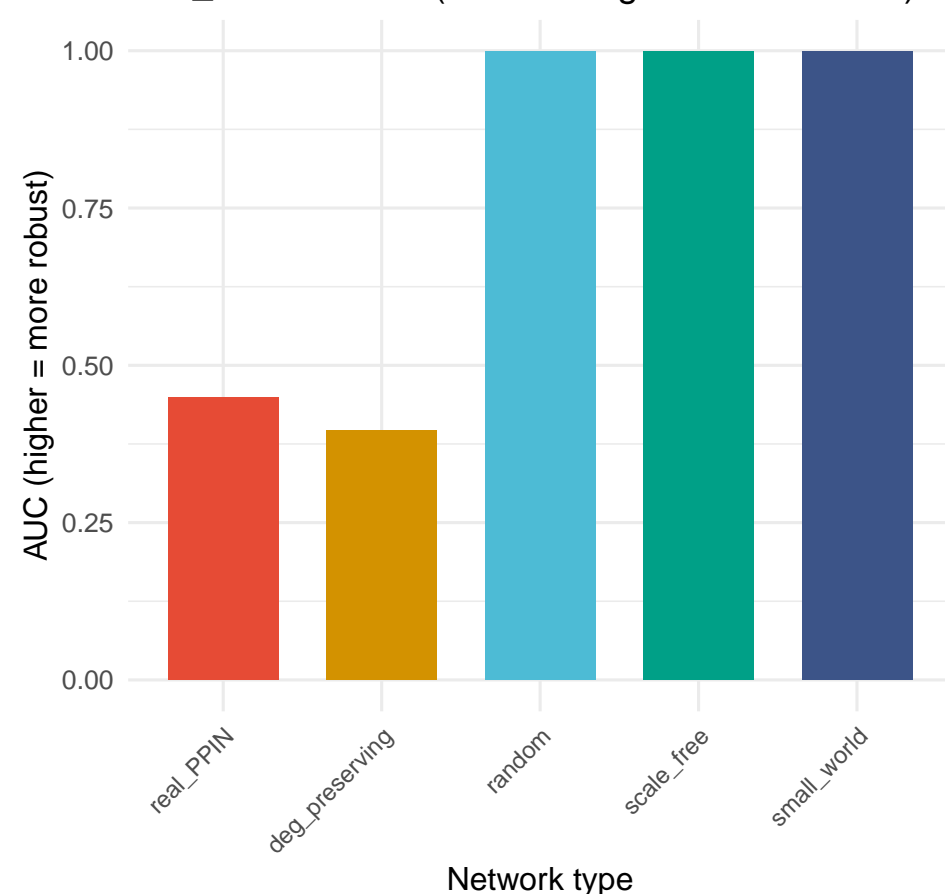HiG_15 fragmentation under targeted–node attack

HiG_15 resilience (AUC of fragmentation curve)
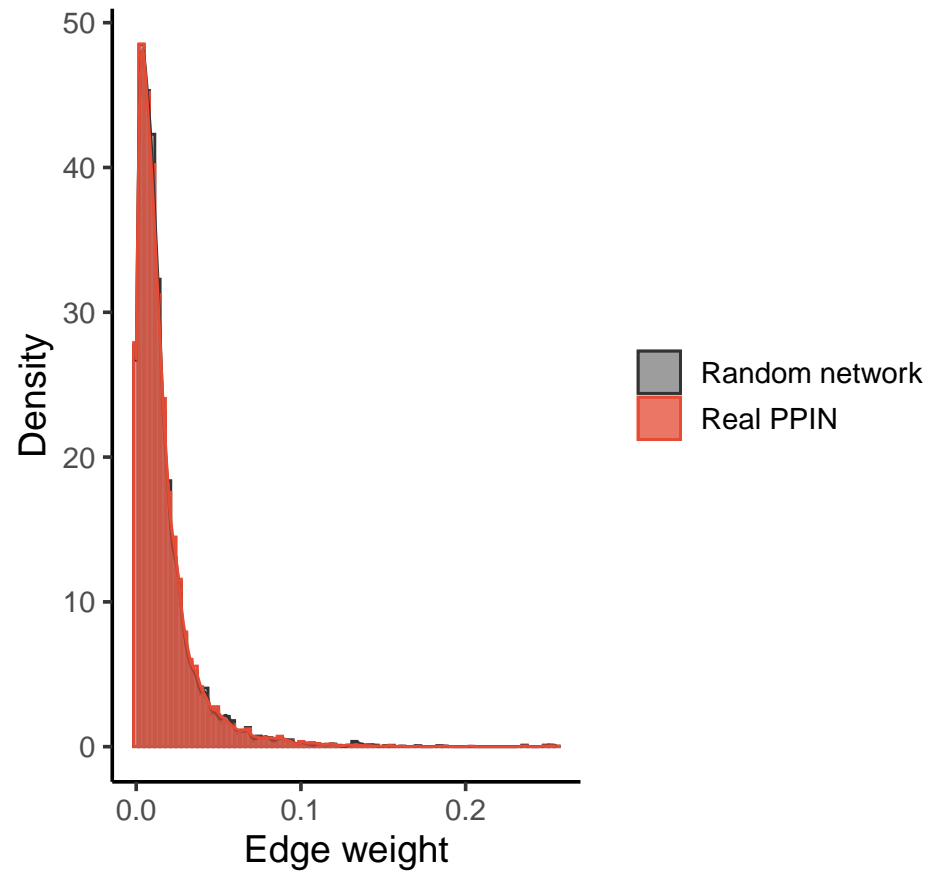
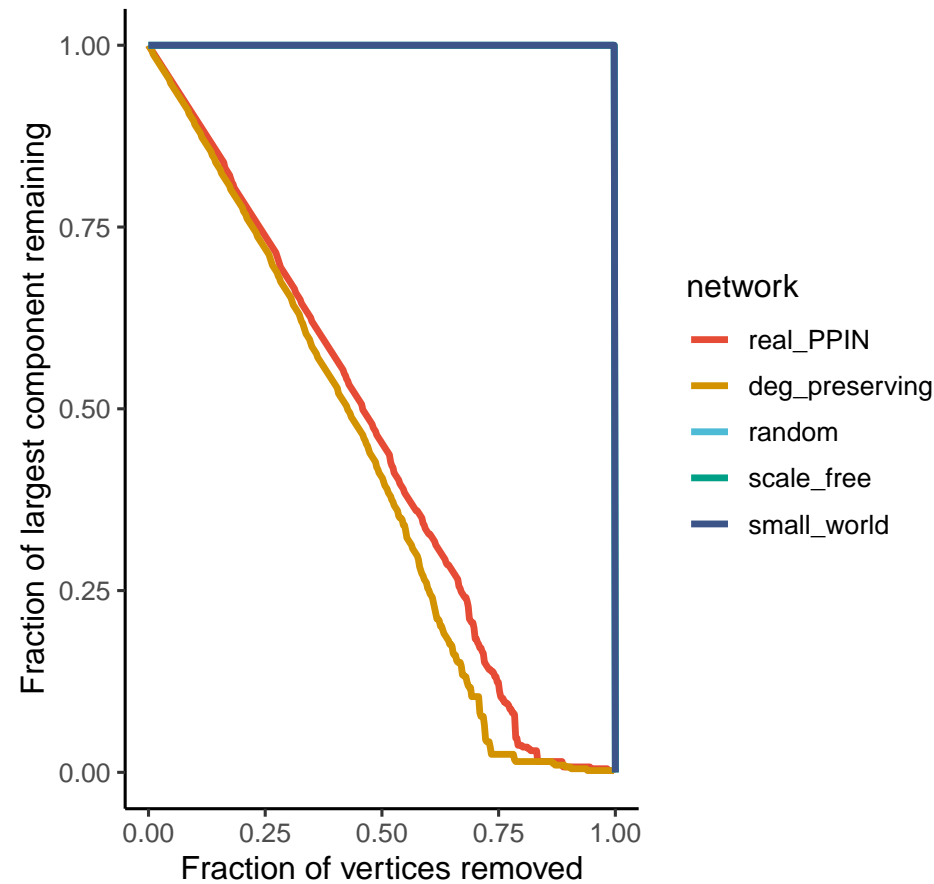**Edge–weight distribution** · HiG_16 fragmentation under targeted–node attack · HiG_16 resilience (AUC of fragmentation curve)
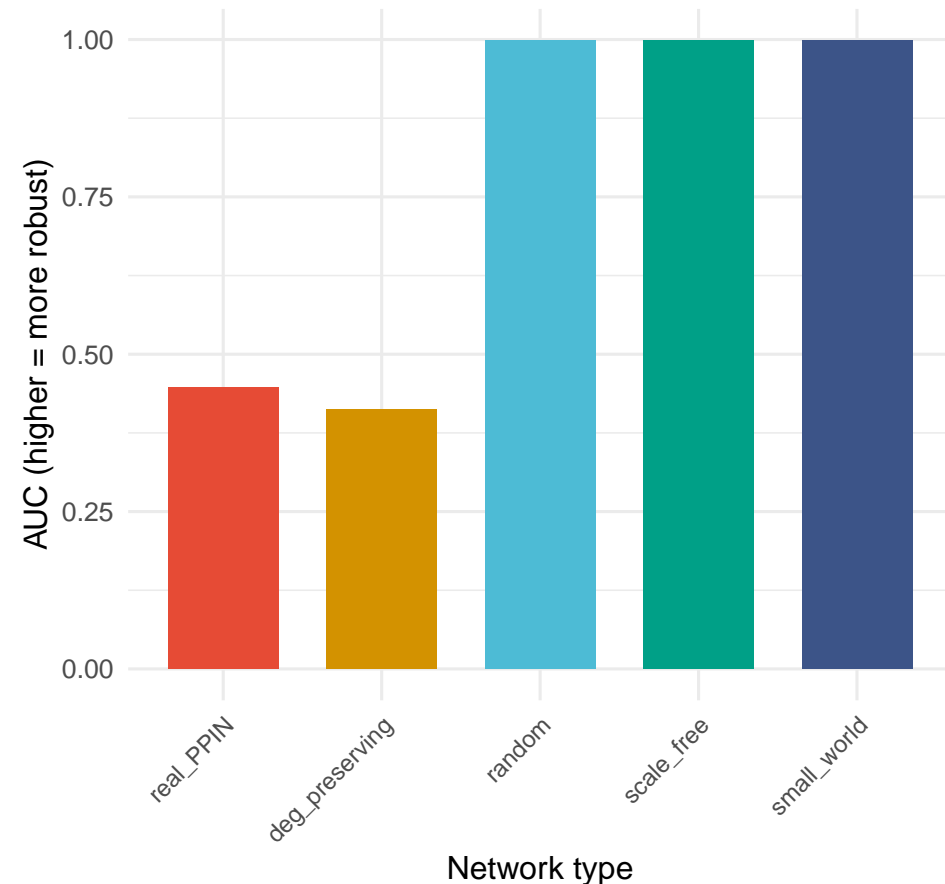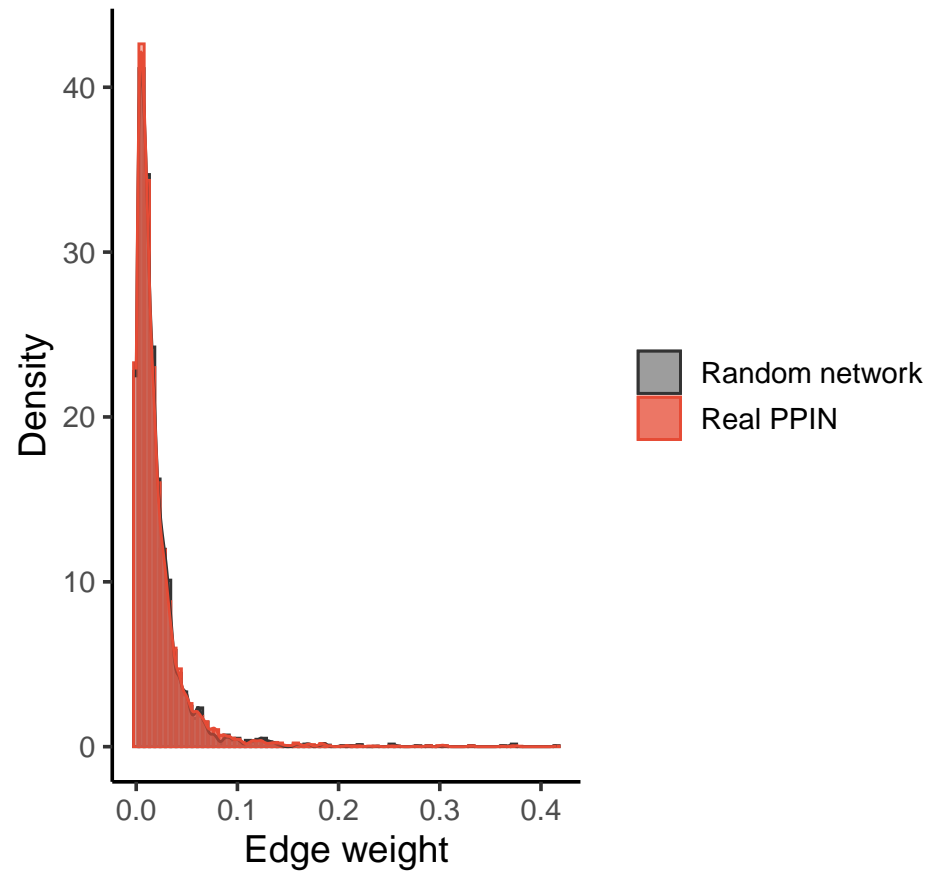
Edge–weight distribution

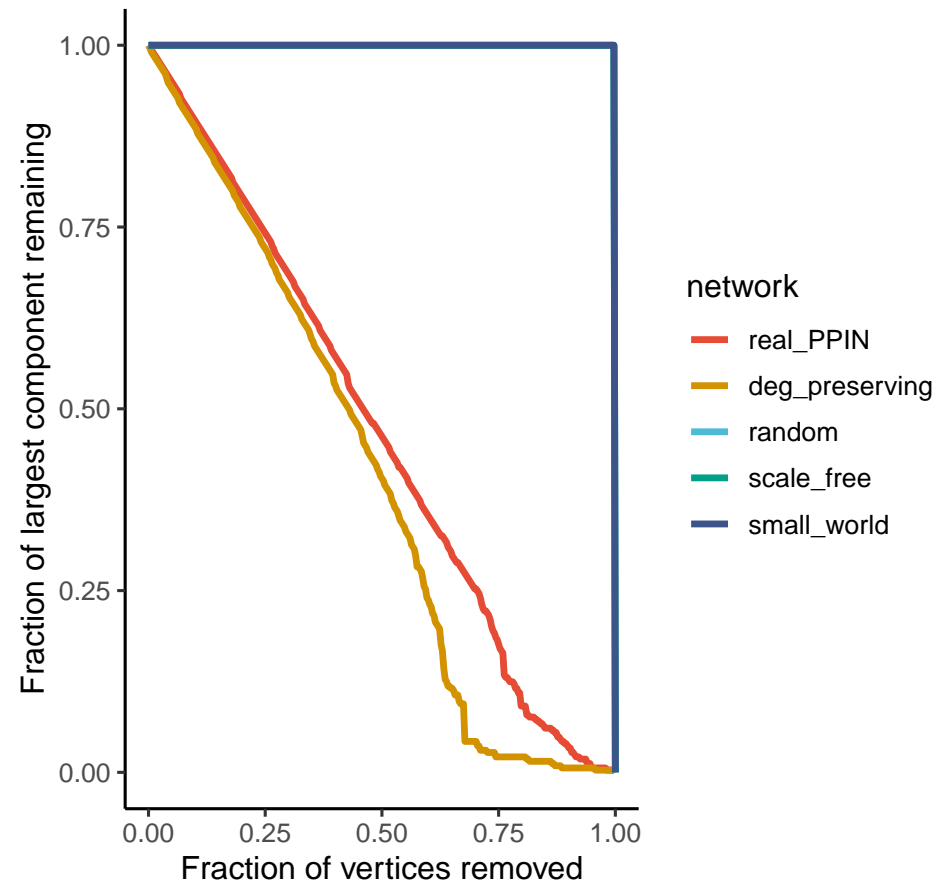HiG_13 fragmentation under targeted–node attack

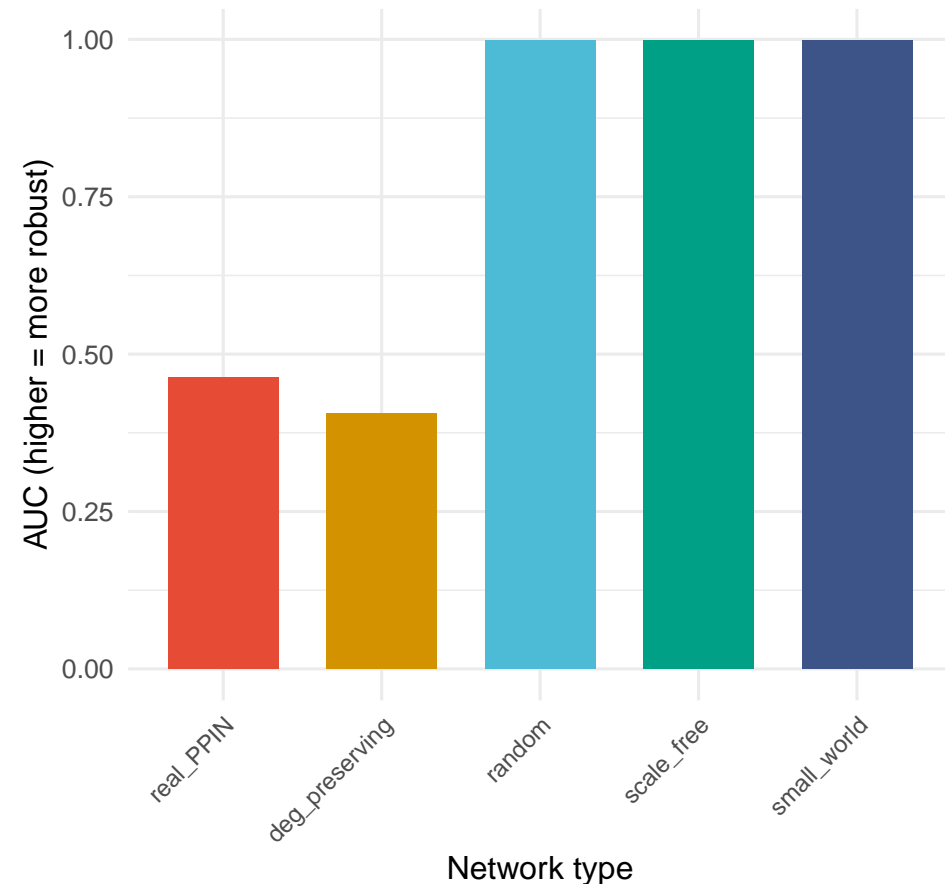HiG_13 resilience (AUC of fragmentation curve)
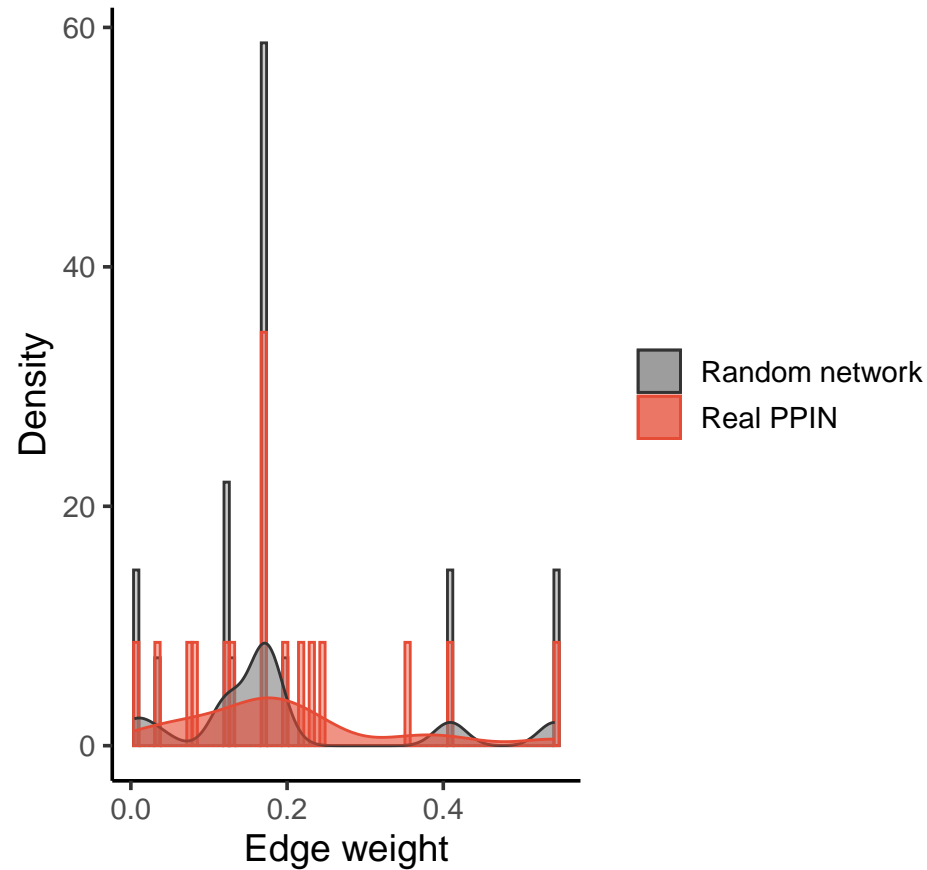
Edge−weight distribution
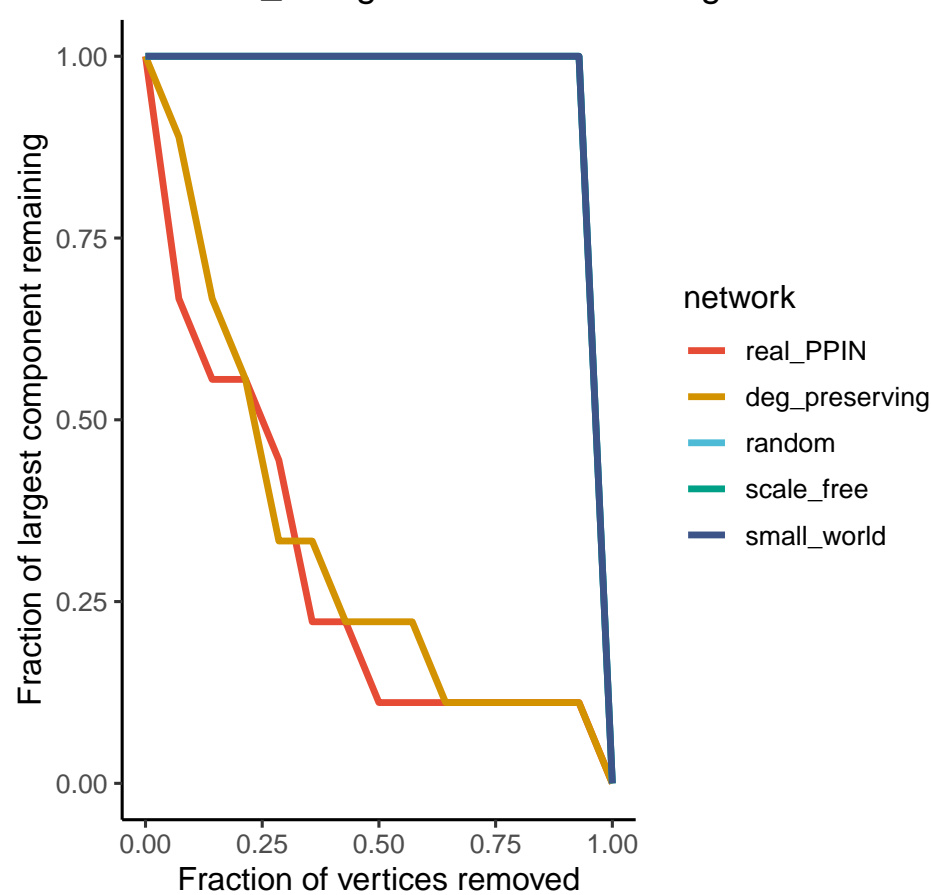
HiG_8 fragmentation under targeted−node attack

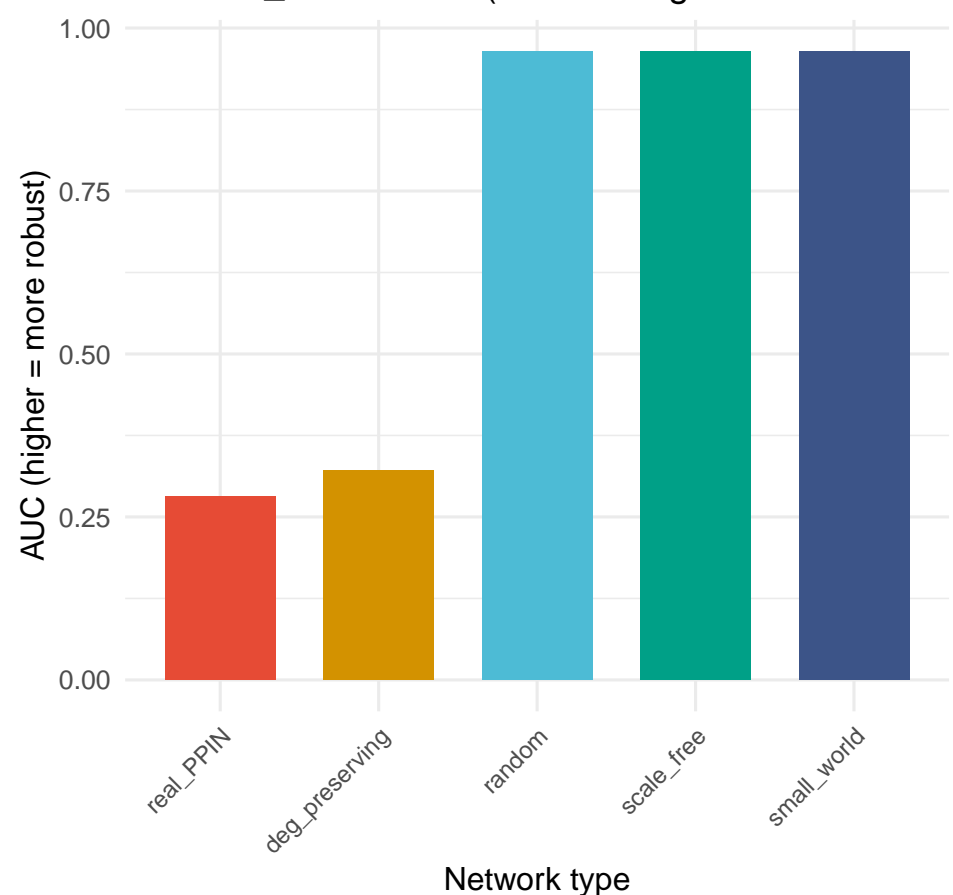HiG_8 resilience (AUC of fragmentation curve)
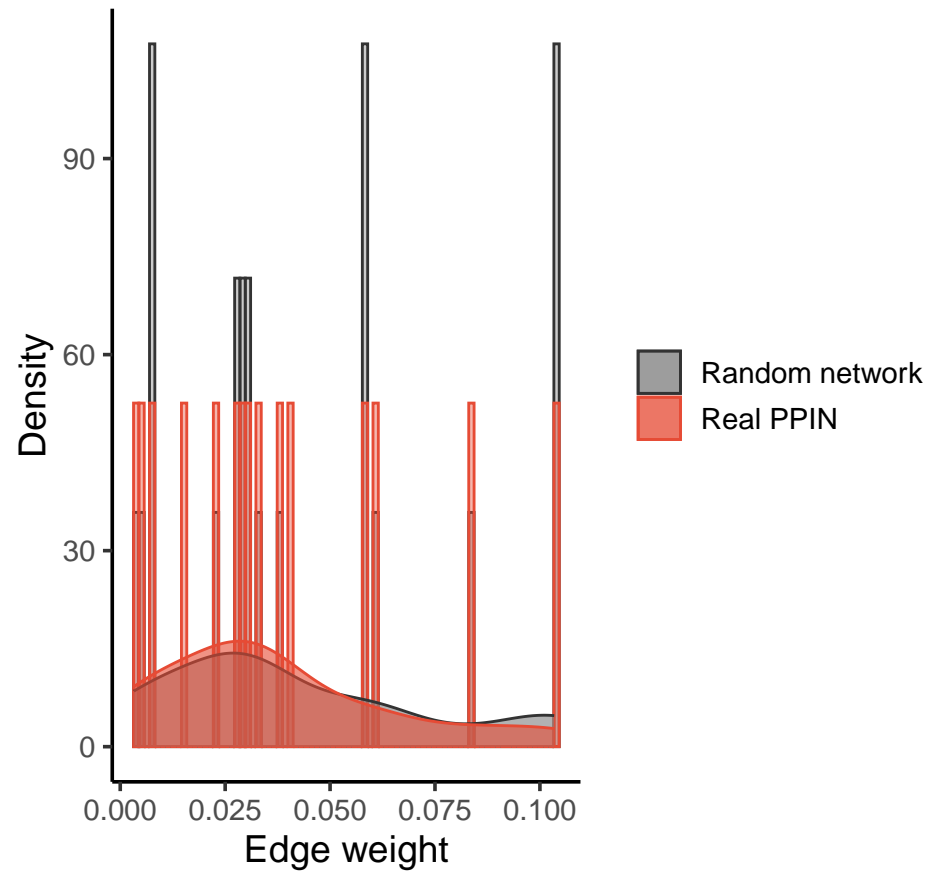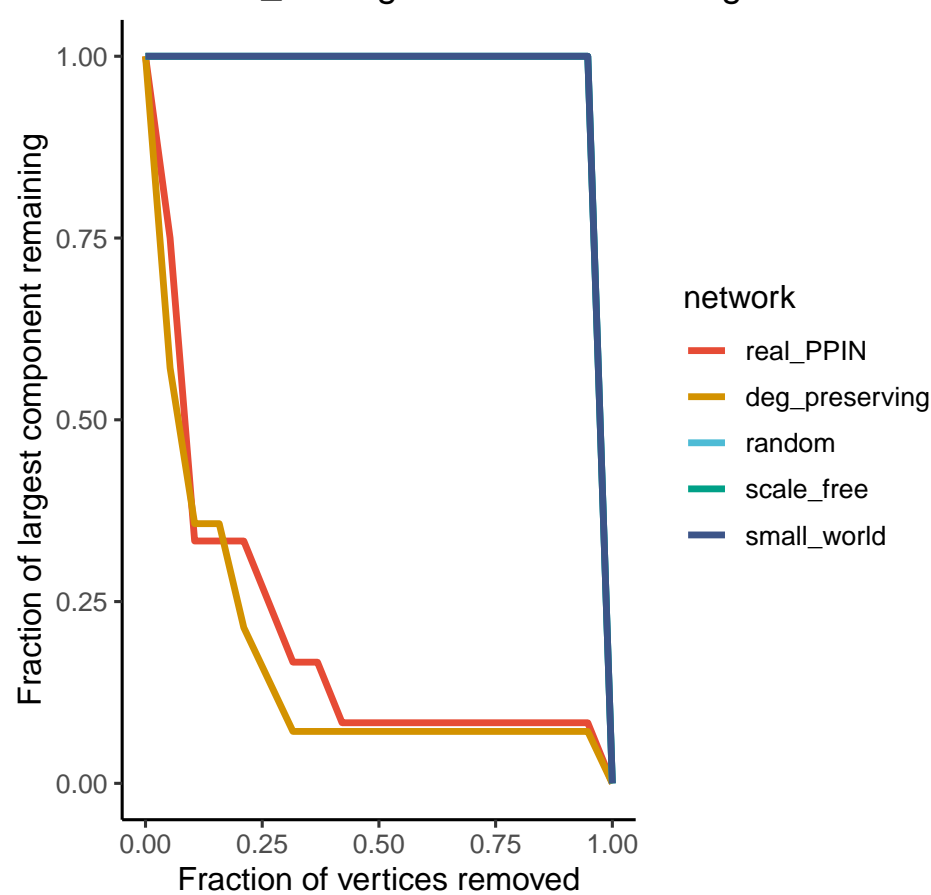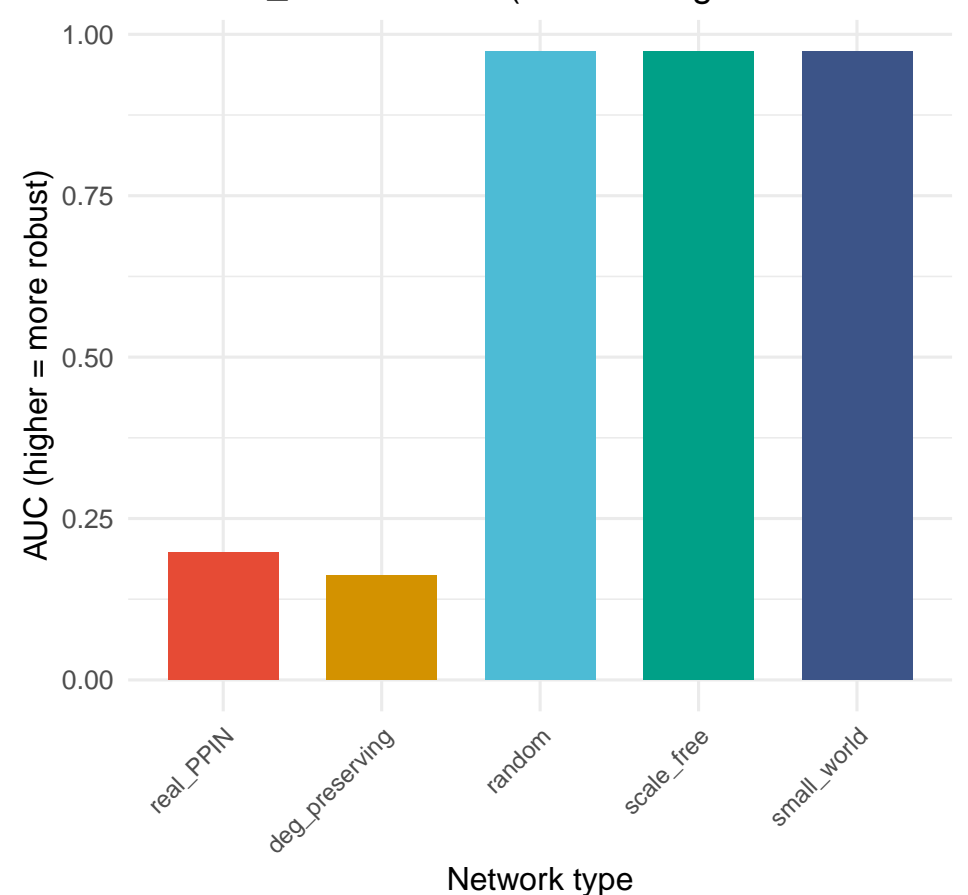
Edge-weight distribution

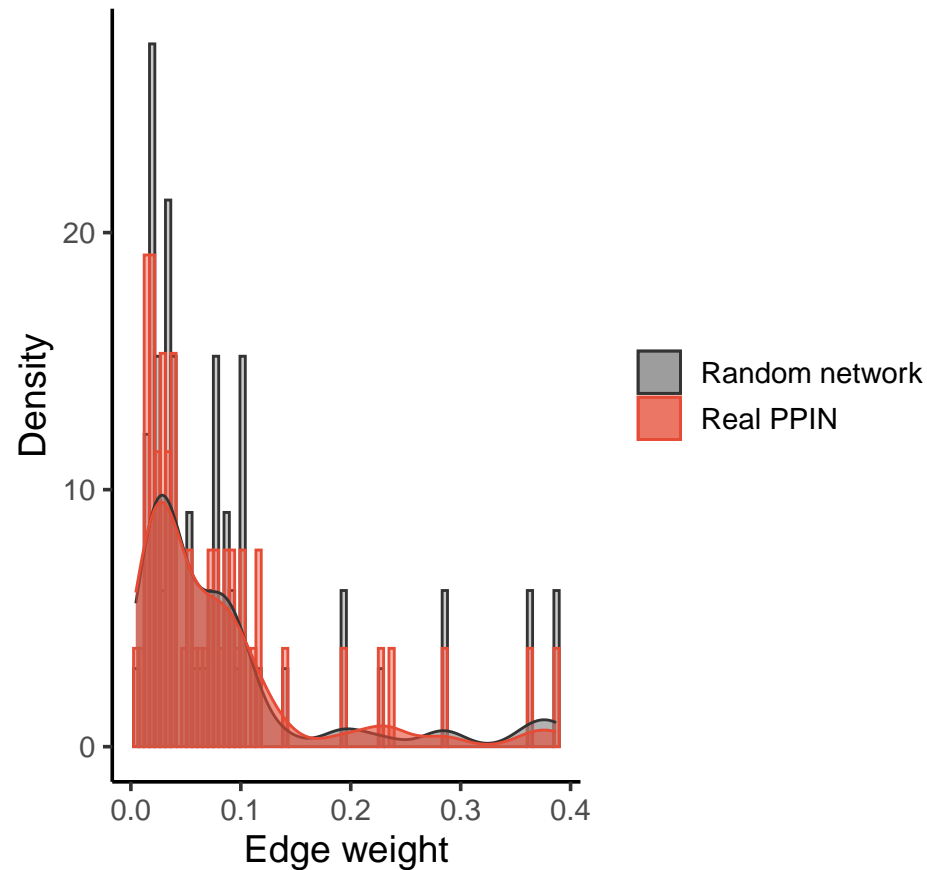HiGCTS_7 fragmentation under targeted-node attack
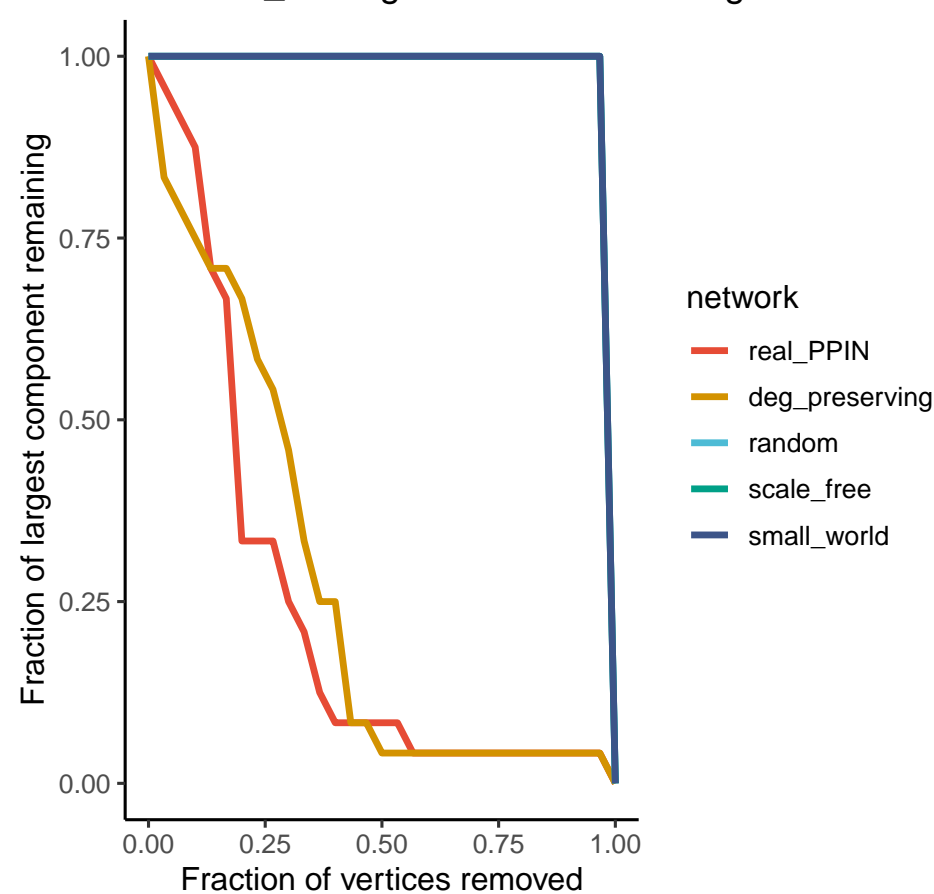
HiGCTS_7 resilience (AUC of fragmentation curve)

Edge–weight distribution

HiGCTS_11 fragmentation under targeted–node attack

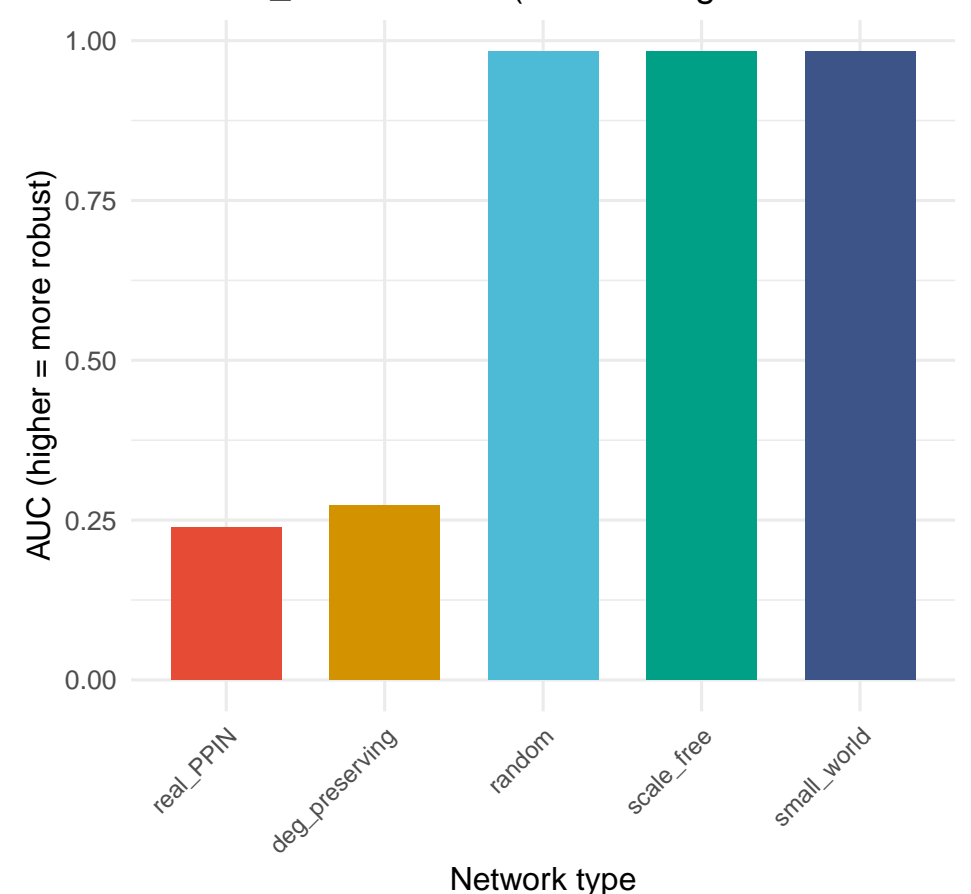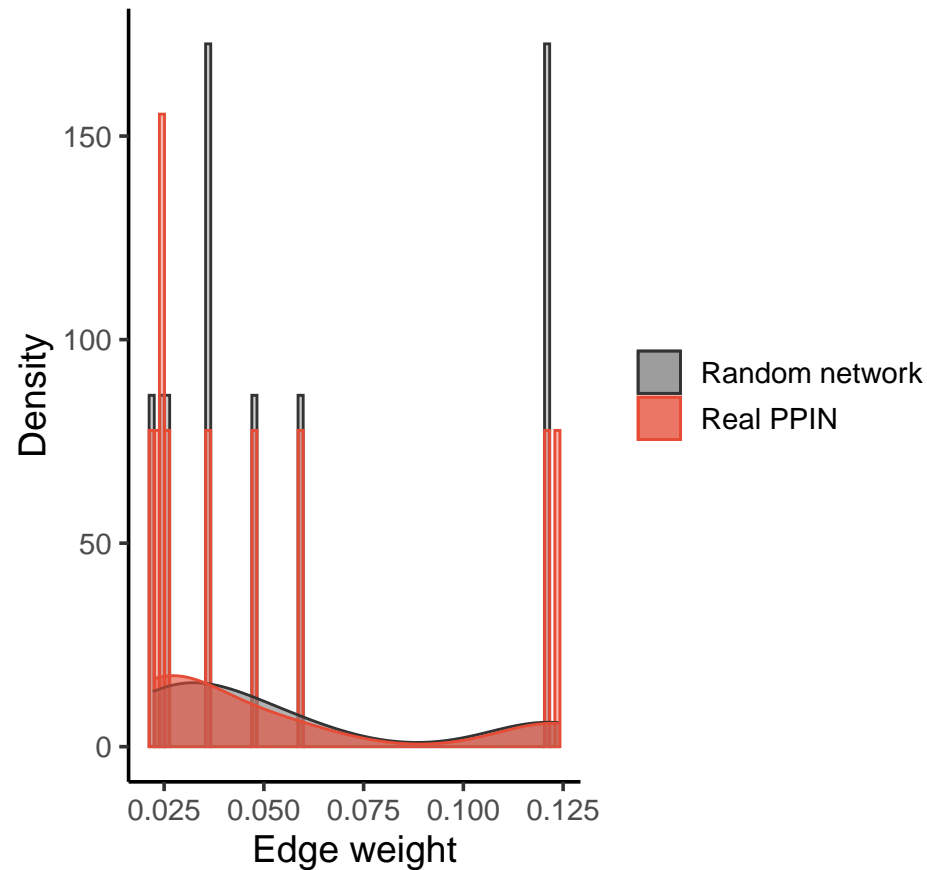HiGCTS_11 resilience (AUC of fragmentation curve)
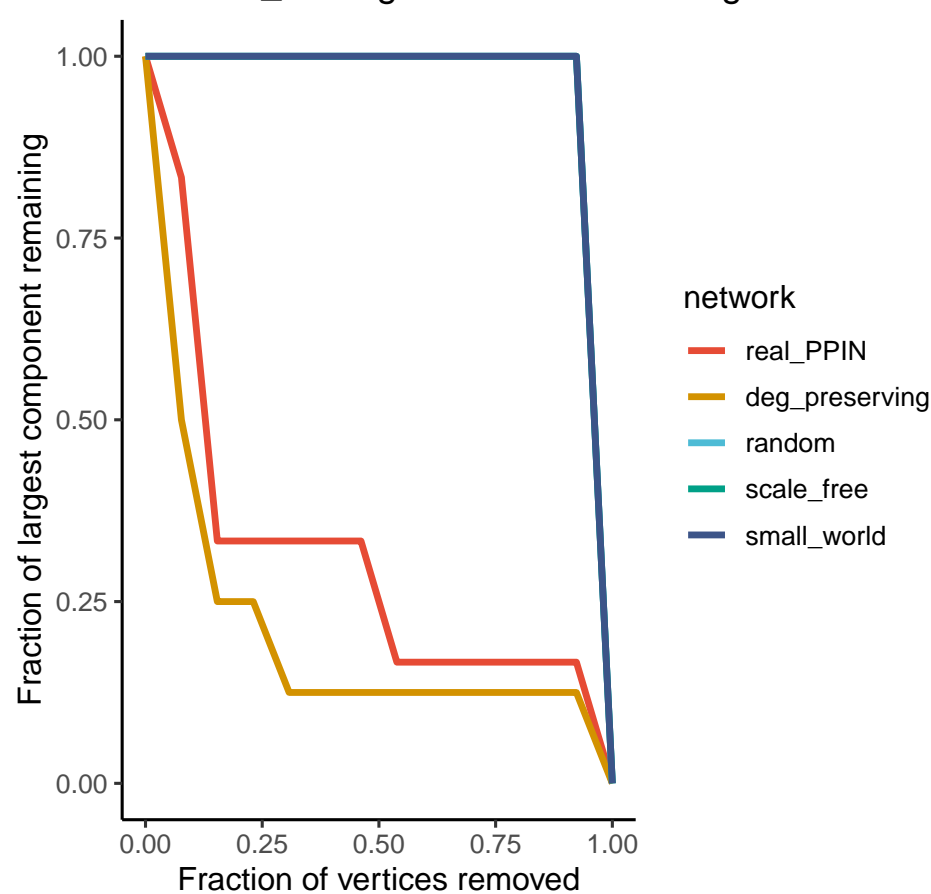
Edge–weight distribution
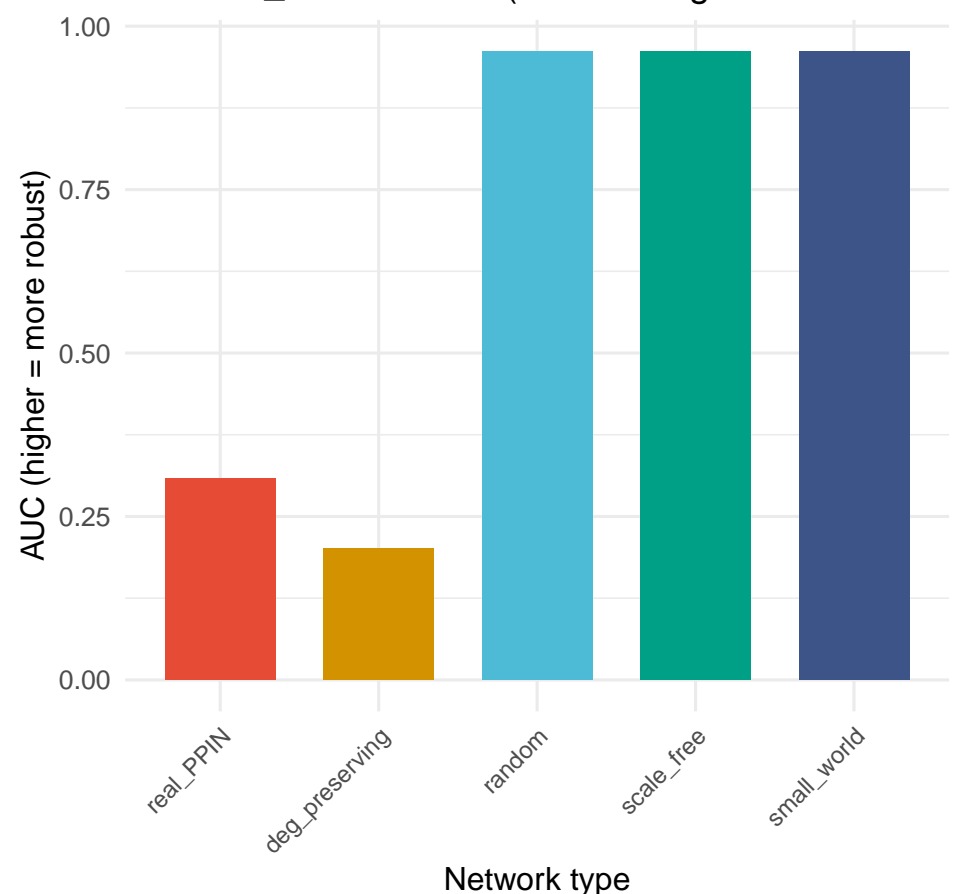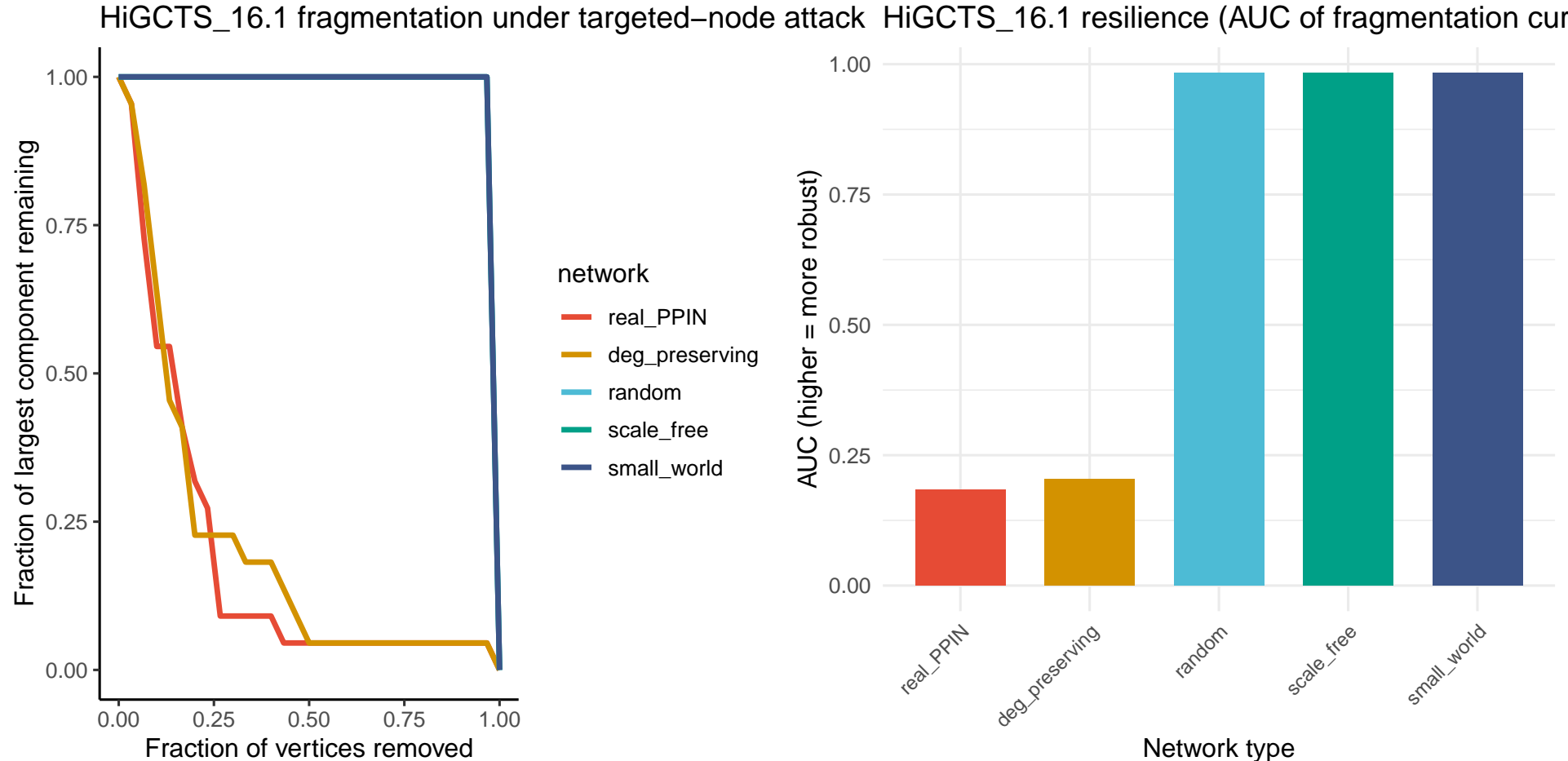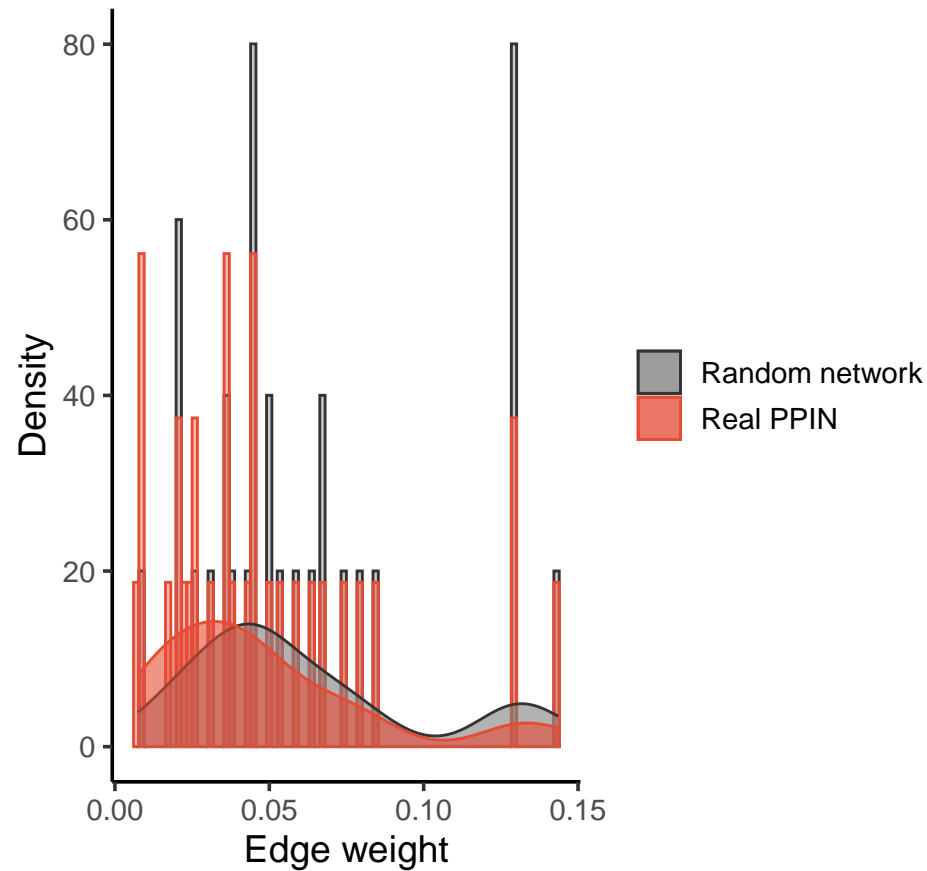
HiGCTS_15 fragmentation under targeted–node attack
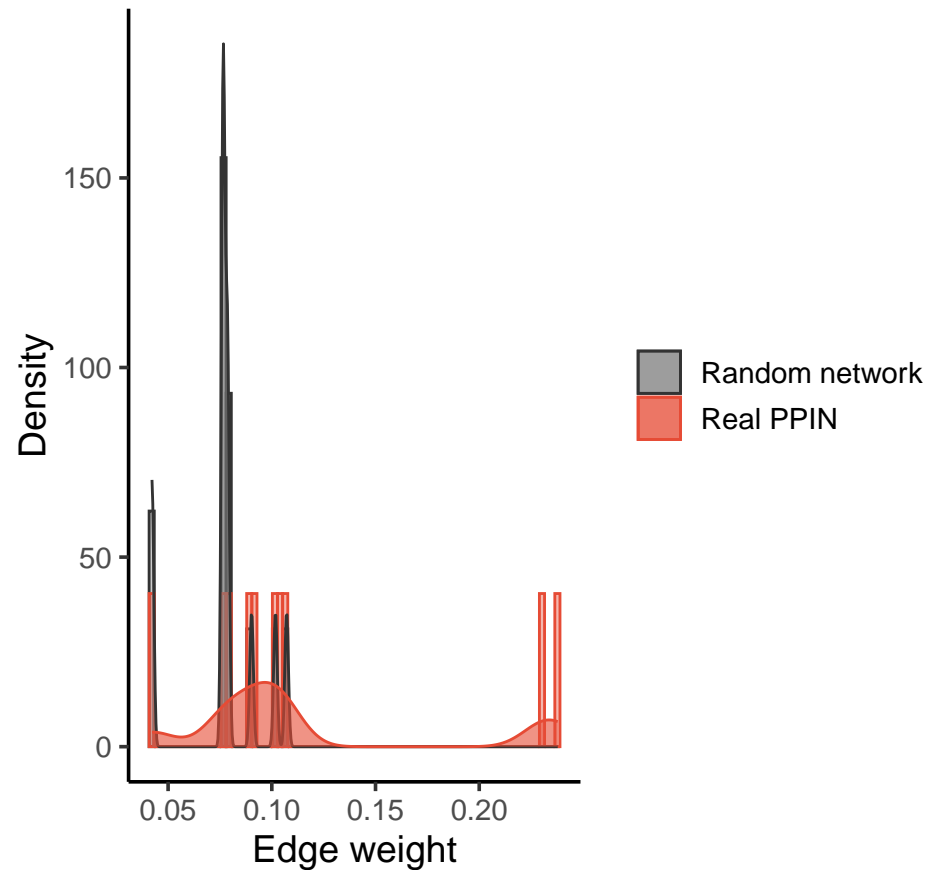
HiGCTS_15 resilience (AUC of fragmentation curve

Edge−weight distribution

HiGCTS_16 fragmentation under targeted−node attack
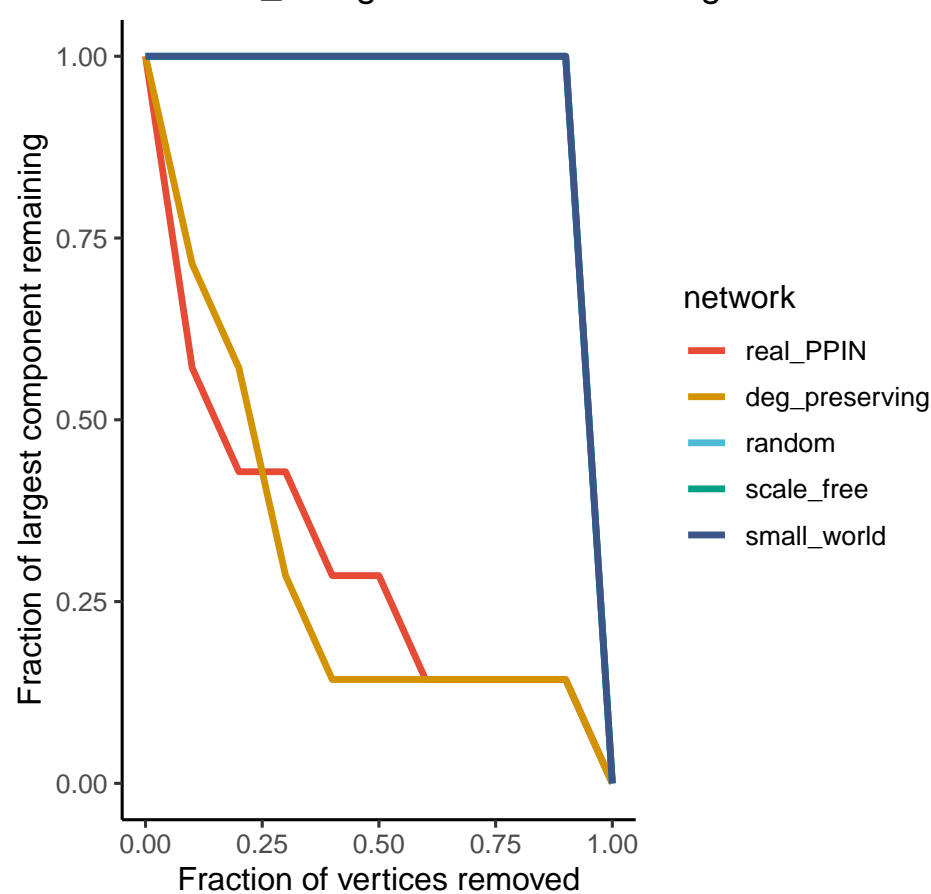
HiGCTS_16 resilience (AUC of fragmentation curve

Edge–weight distribution

HiGCTS_16.1 fragmentation under targeted–node attack

HiGCTS_16.1 resilience (AUC of fragmentation cur

Edge−weight distribution (left panel)

HiGCTS_8 fragmentation under targeted−node attack (center panel)

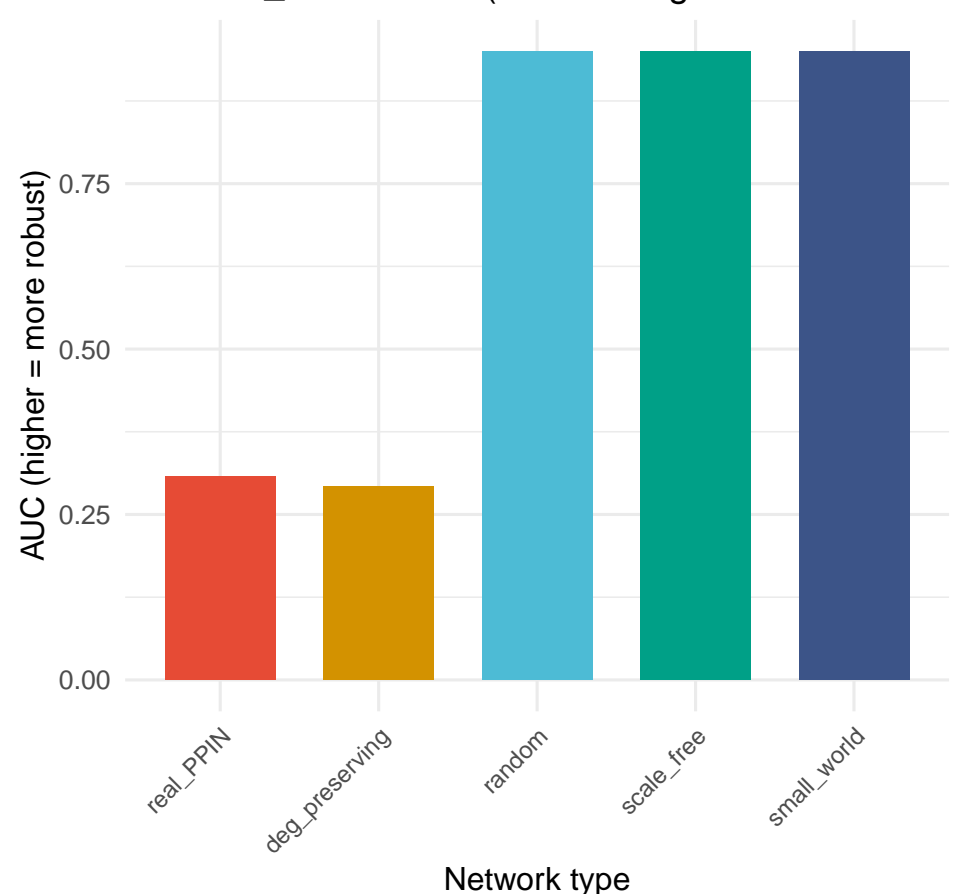HiGCTS_8 resilience (AUC of fragmentation curve) (right panel)
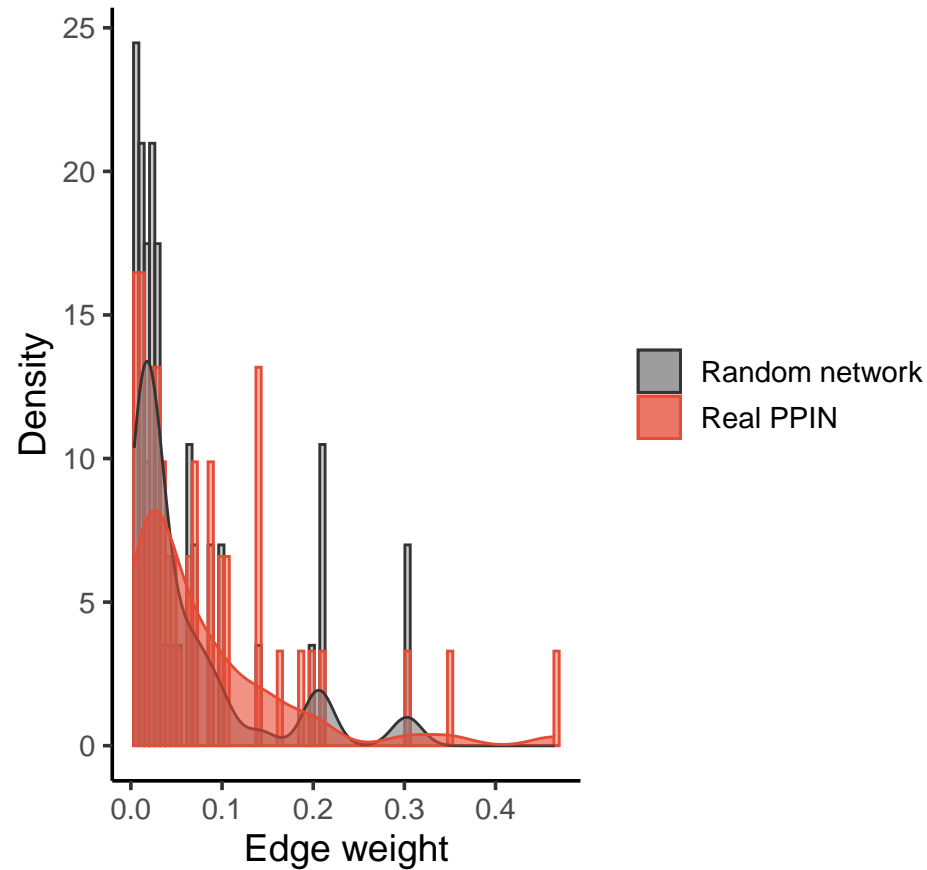
Edge−weight distribution

CTS_7 fragmentation under targeted−node attack

CTS_7 resilience (AUC of fragmentation curve)

Edge-weight distribution — Random network, Real PPIN

CTS_11 fragmentation under targeted-node attack

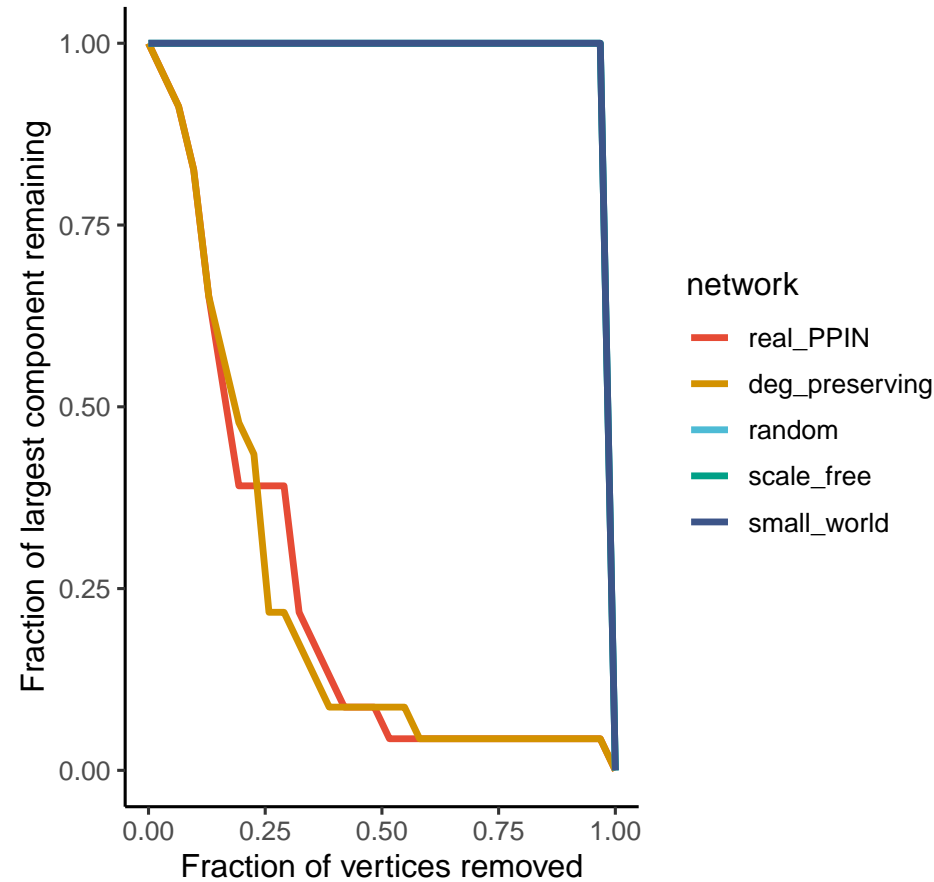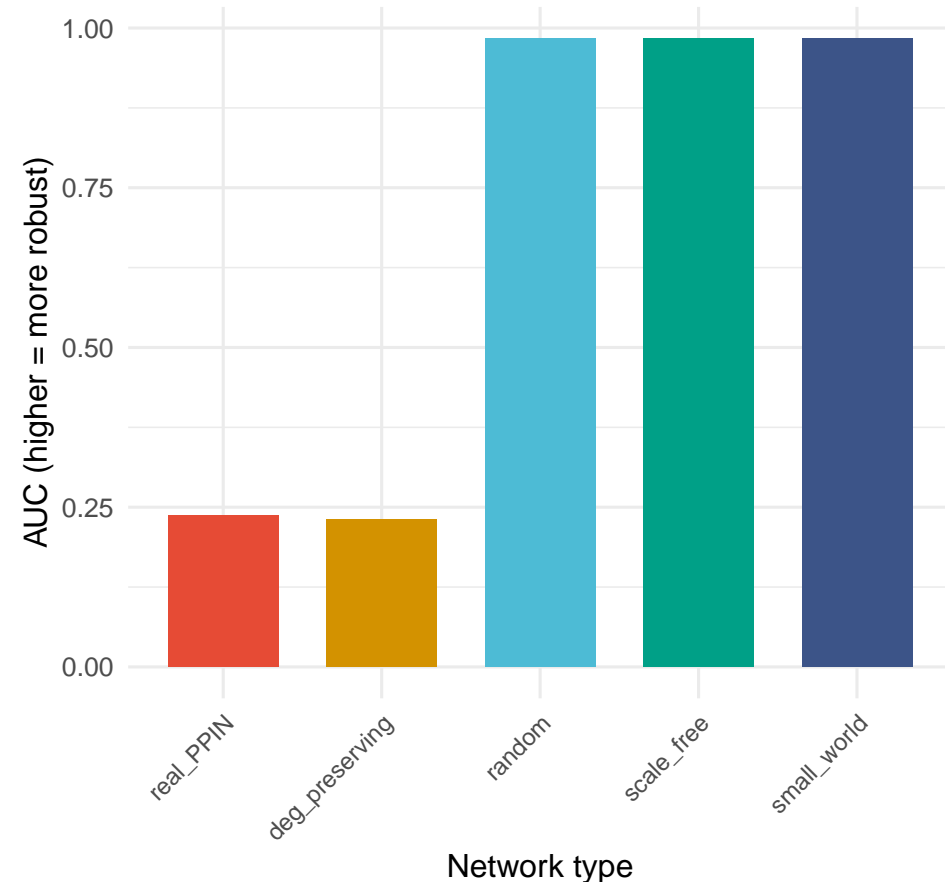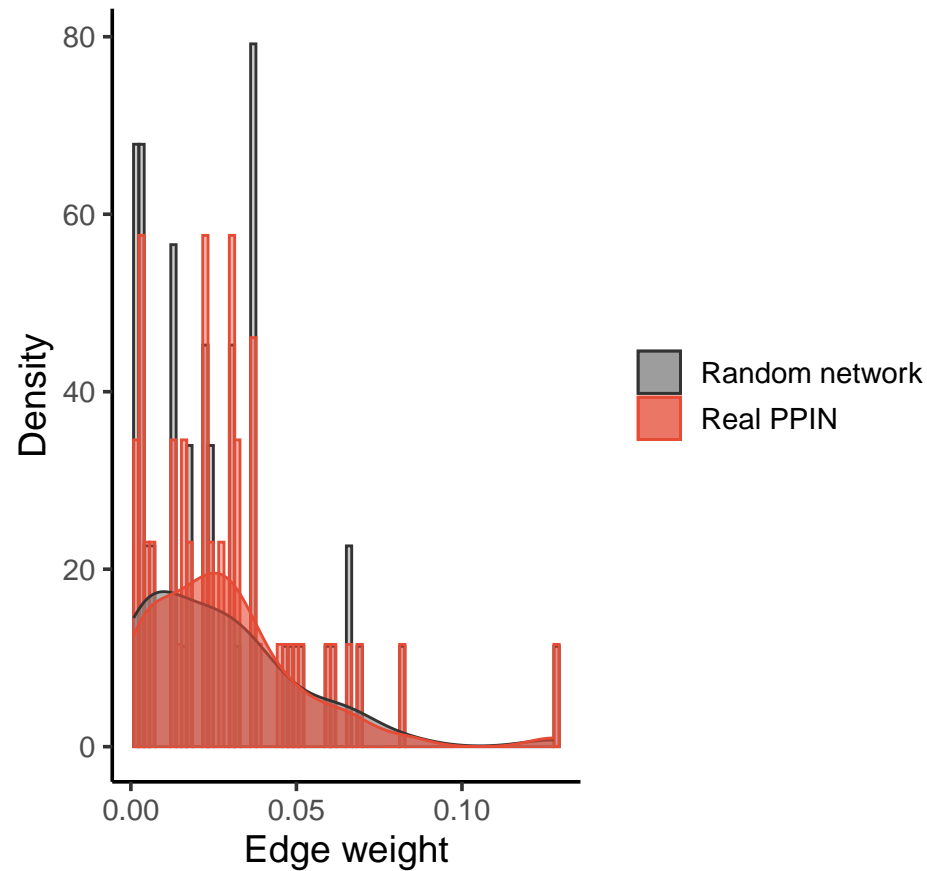network: real_PPIN, deg_preserving, random, scale_free, small_world

CTS_11 resilience (AUC of fragmentation curve)

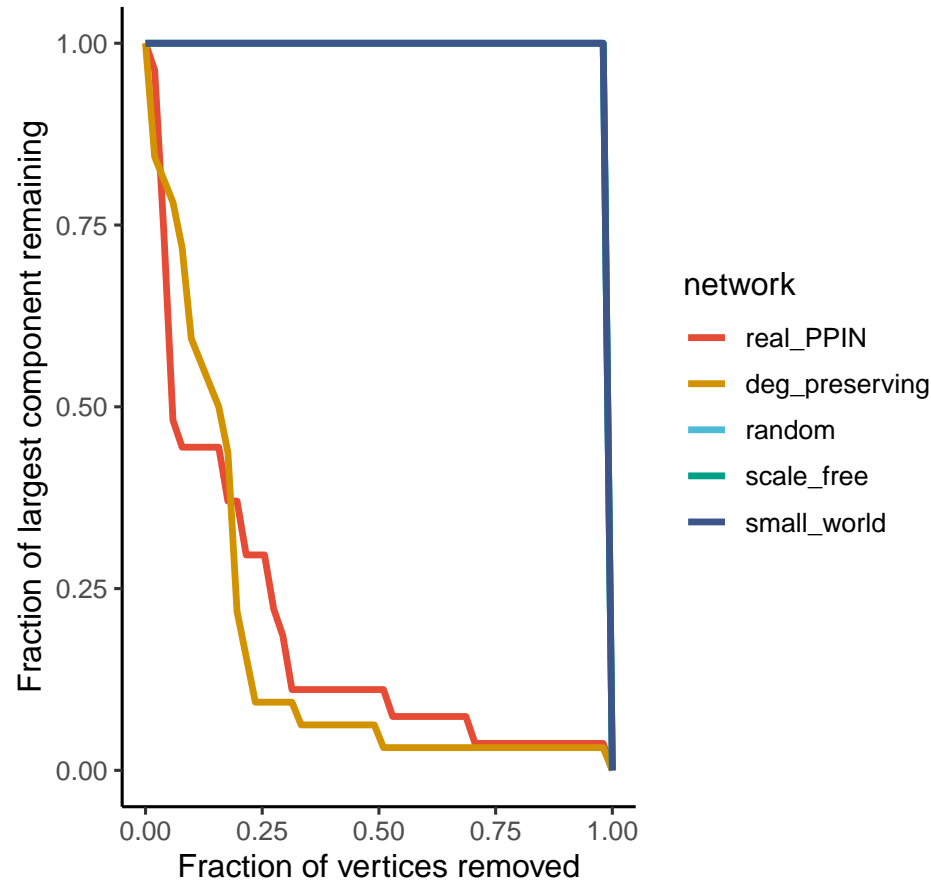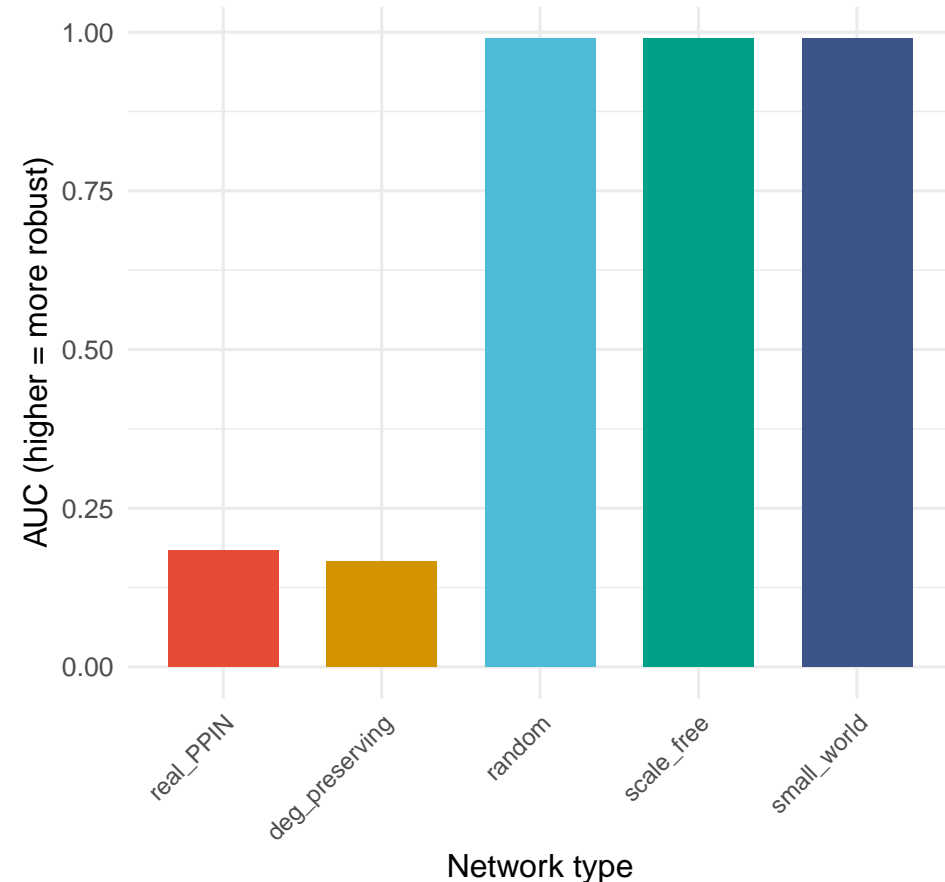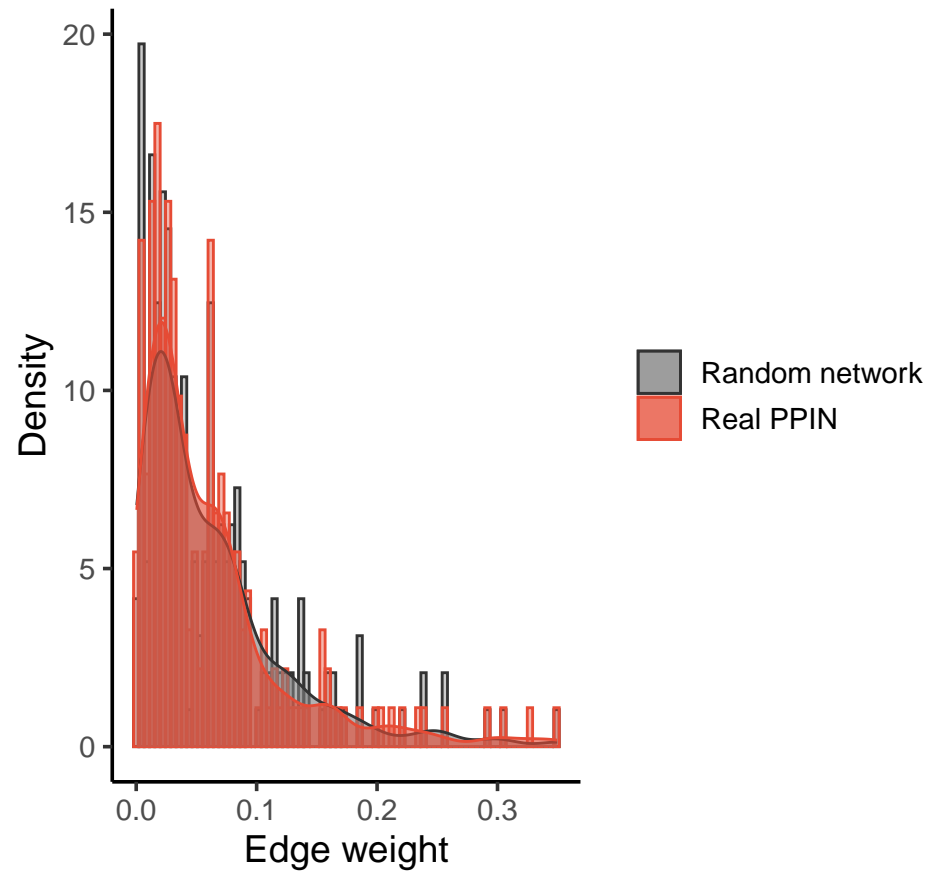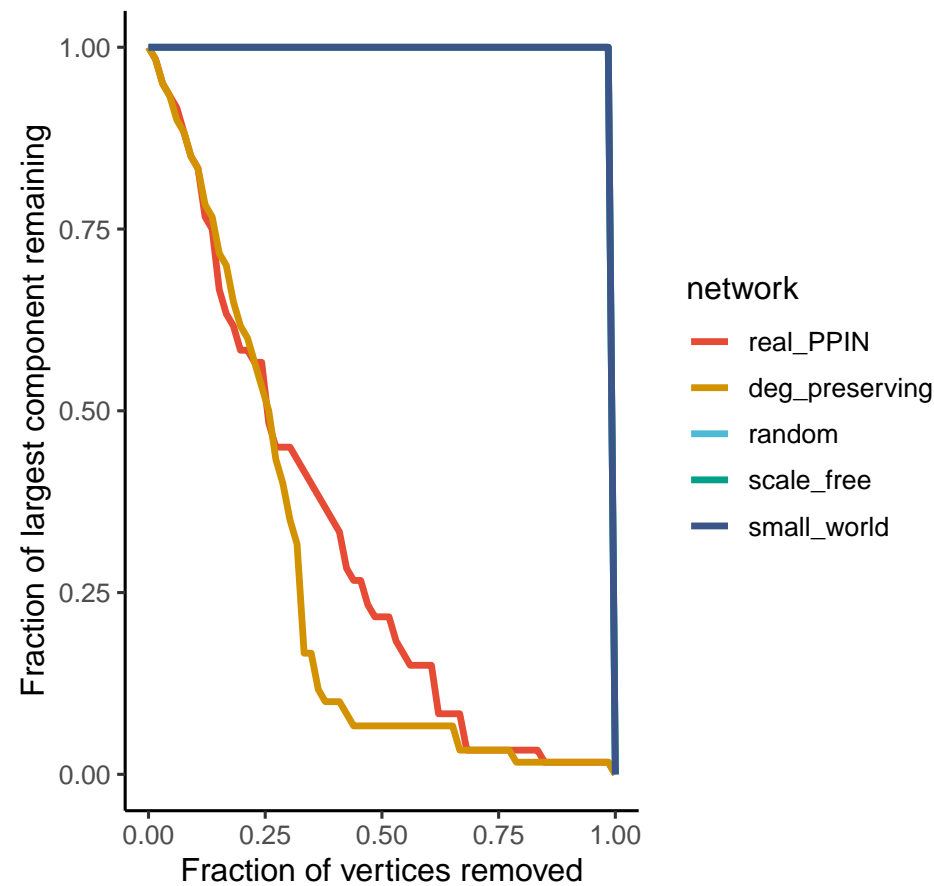**Edge−weight distribution** · CTS_15 fragmentation under targeted−node attack · CTS_15 resilience (AUC of fragmentation curve)
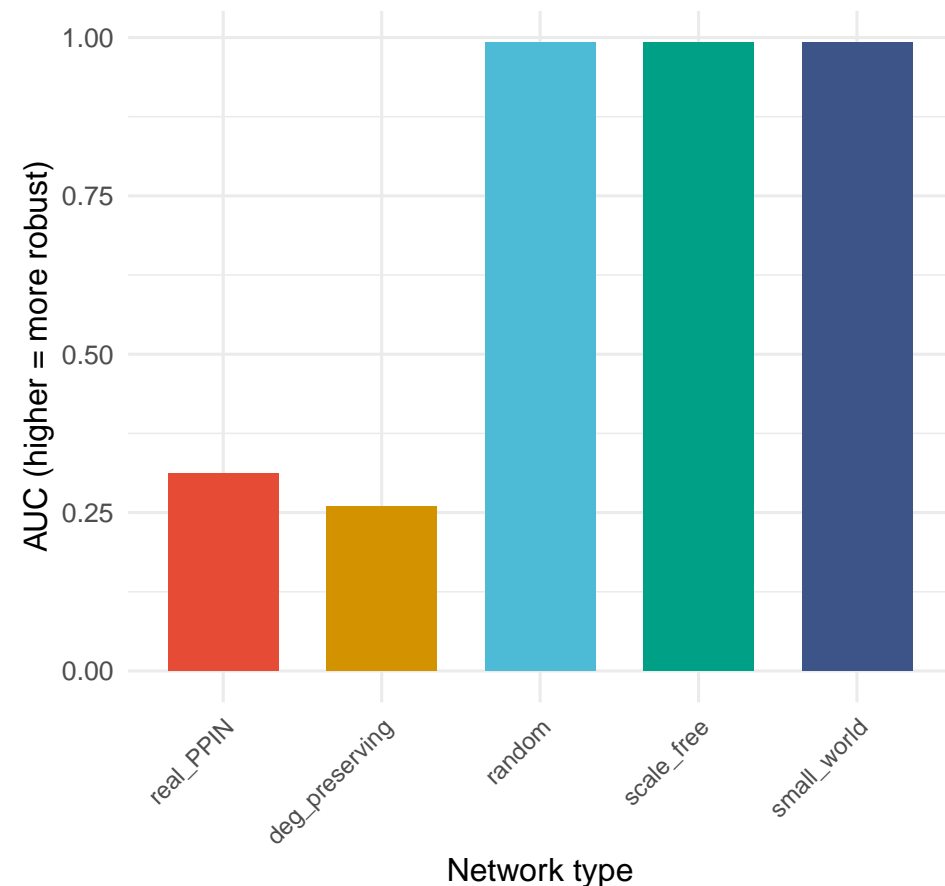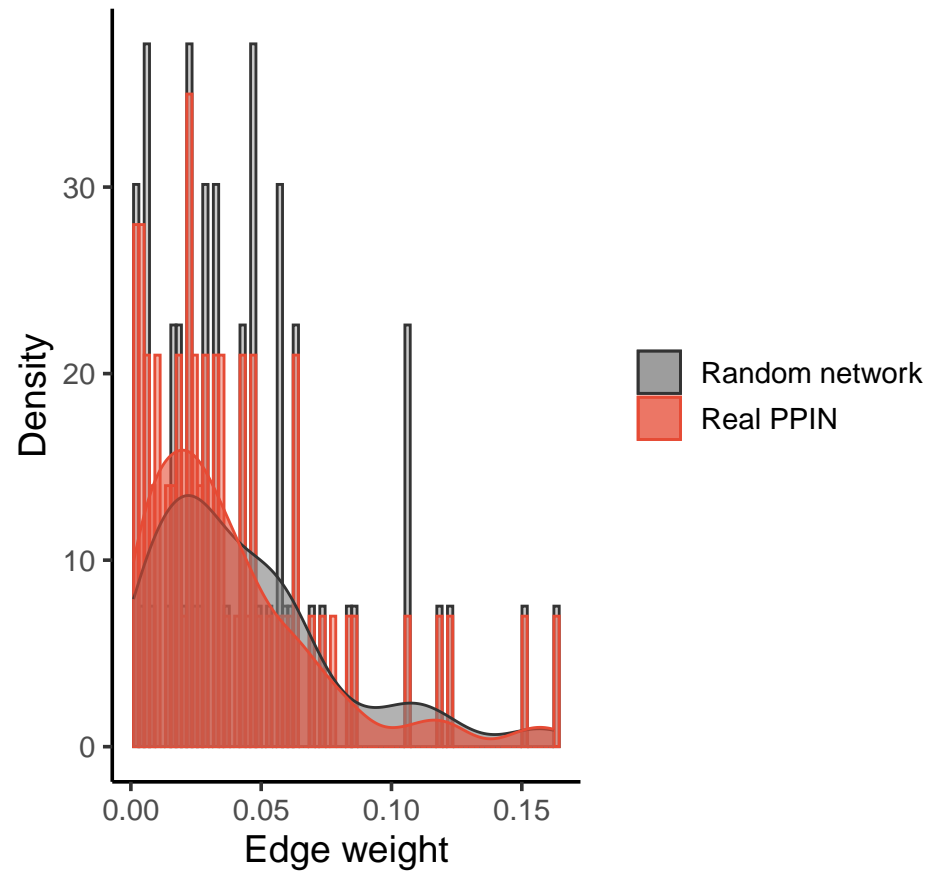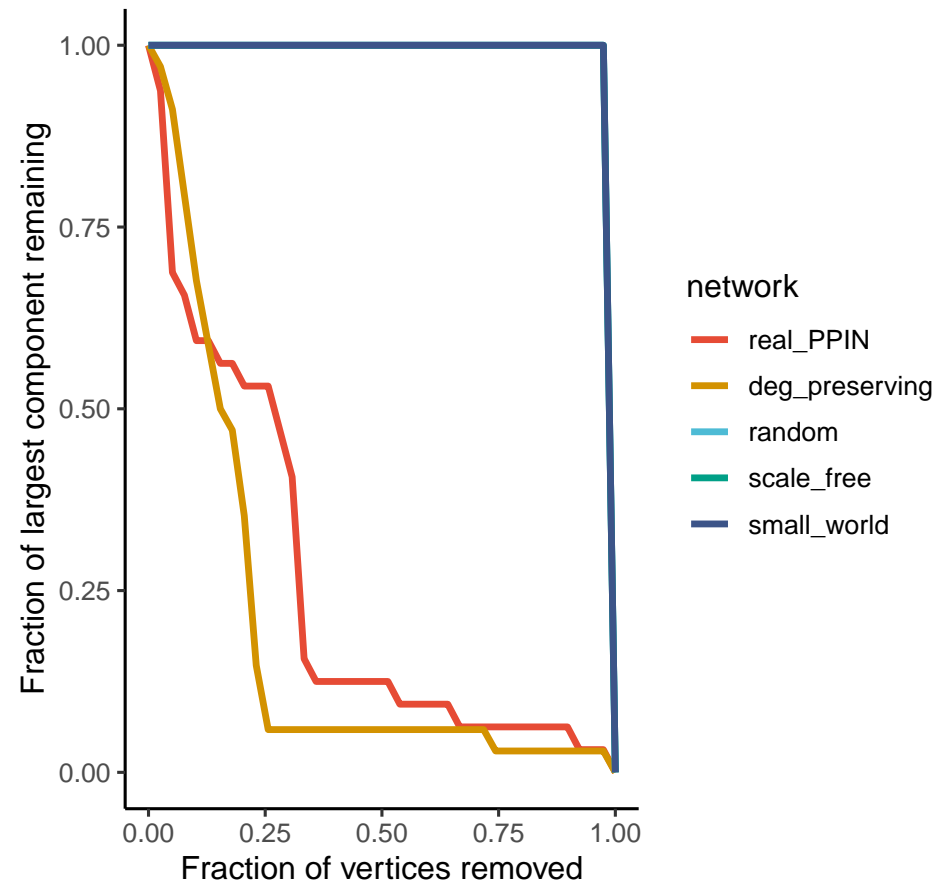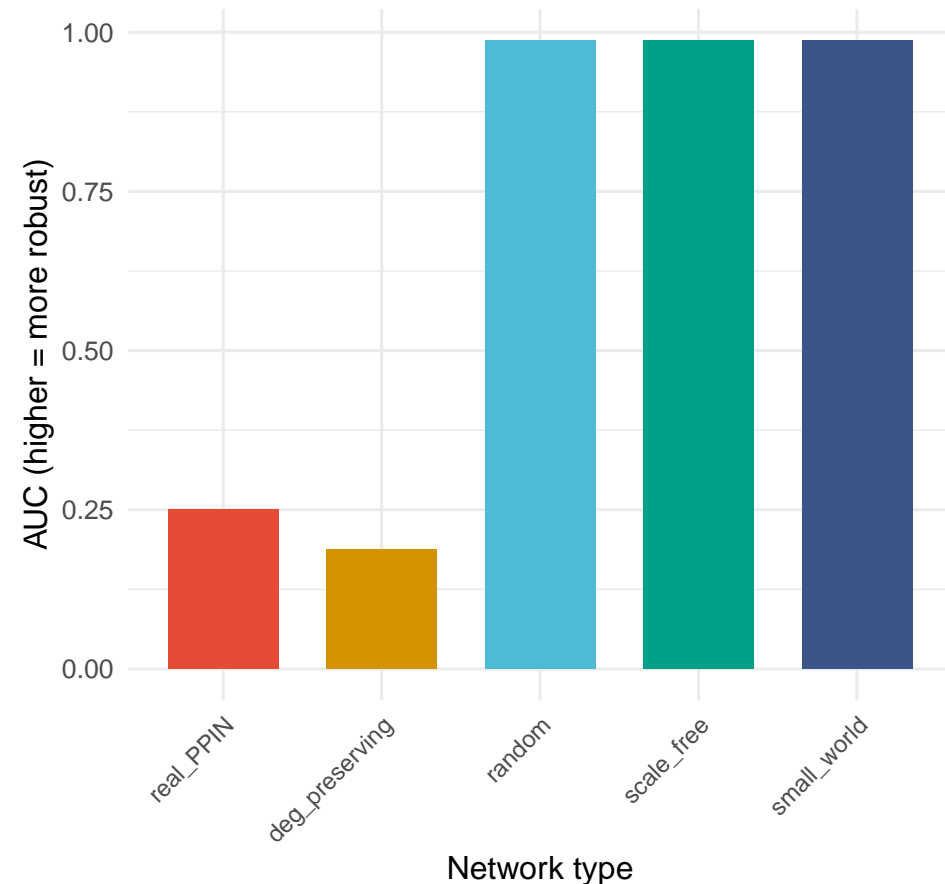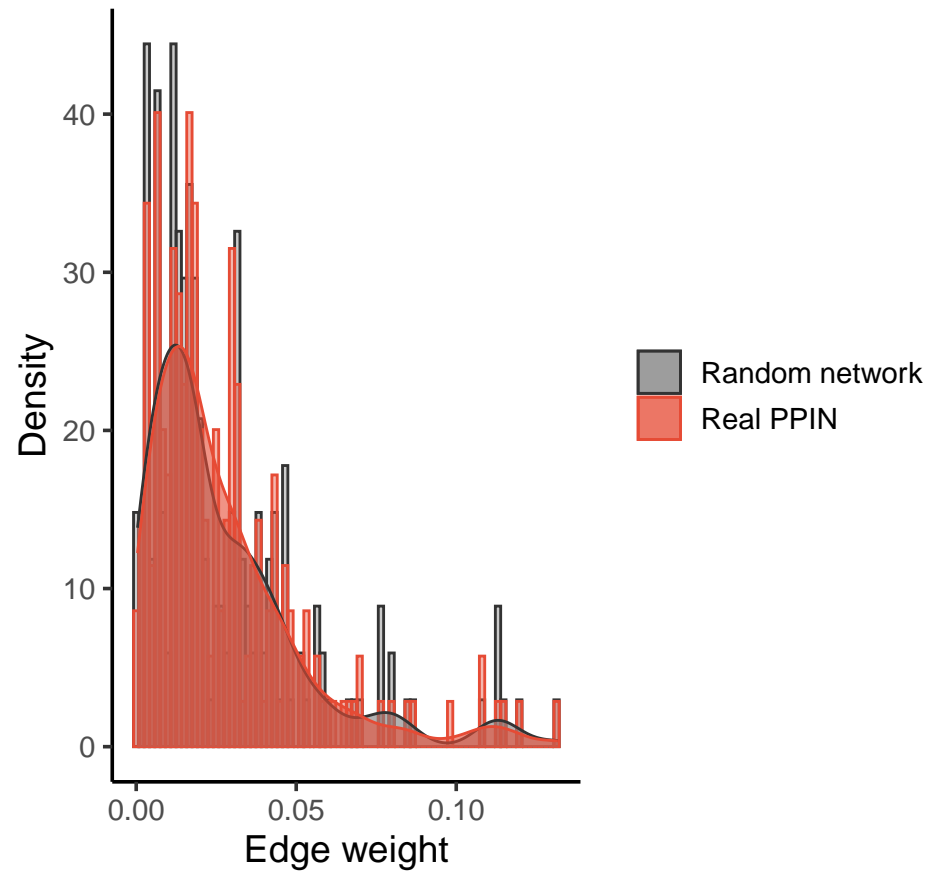
Edge−weight distribution

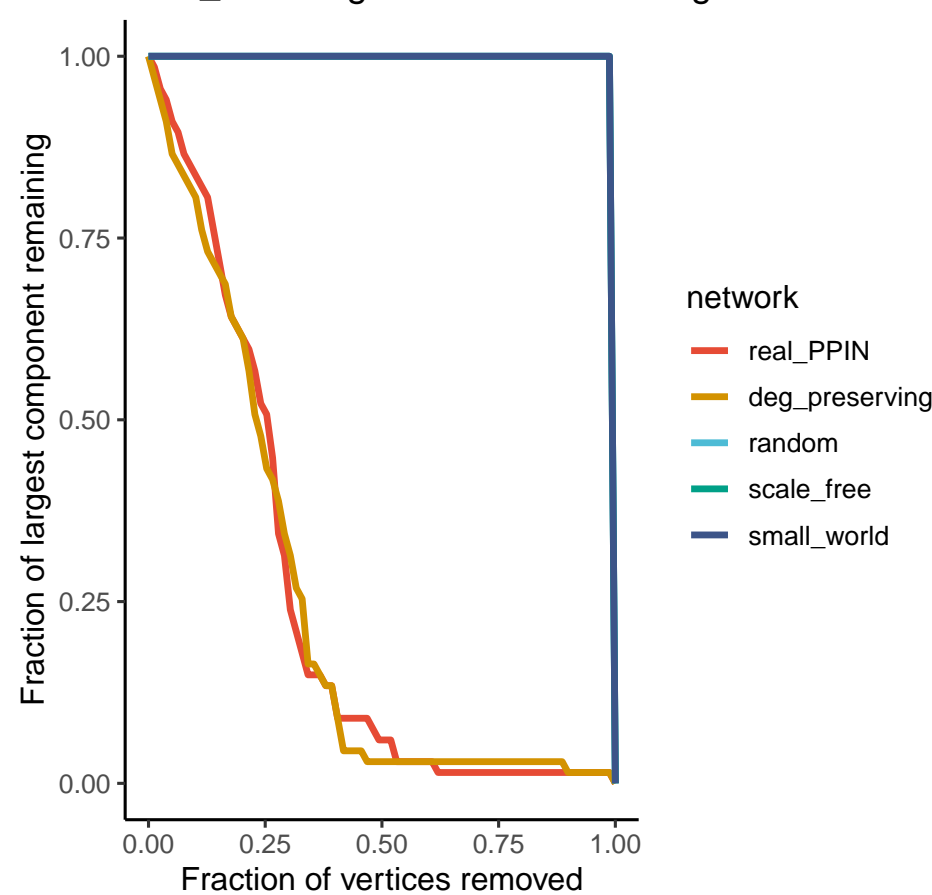CTS_16 fragmentation under targeted−node attack

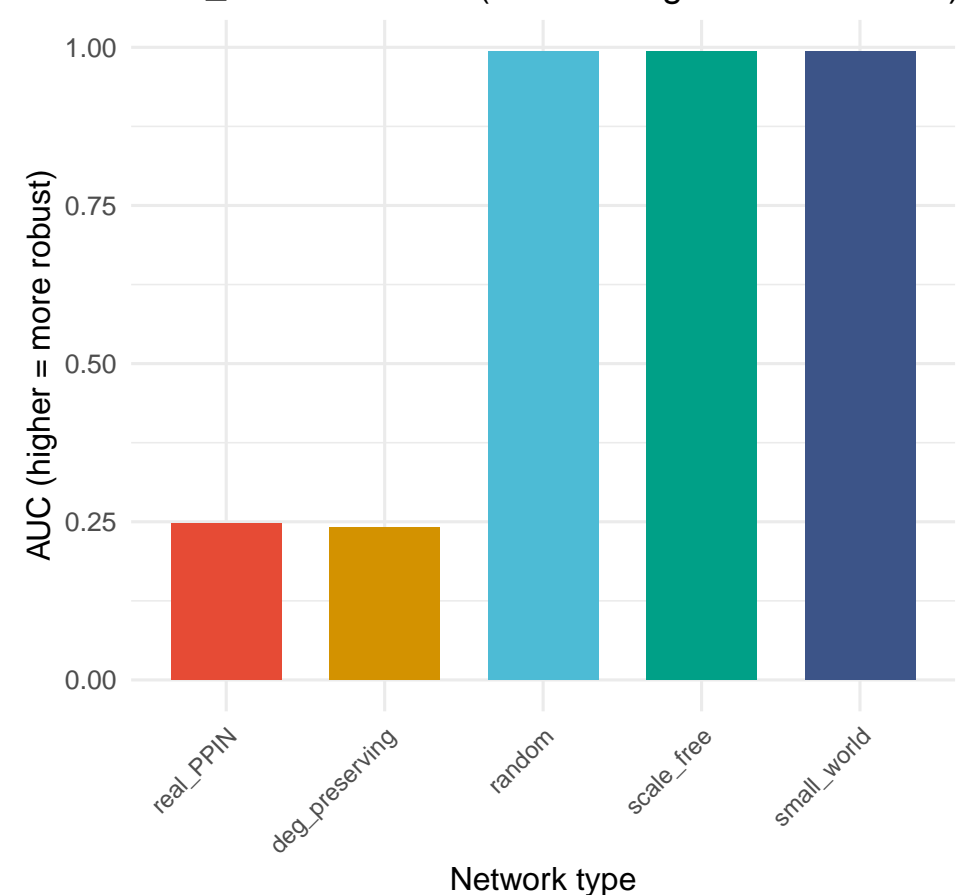CTS_16 resilience (AUC of fragmentation curve)
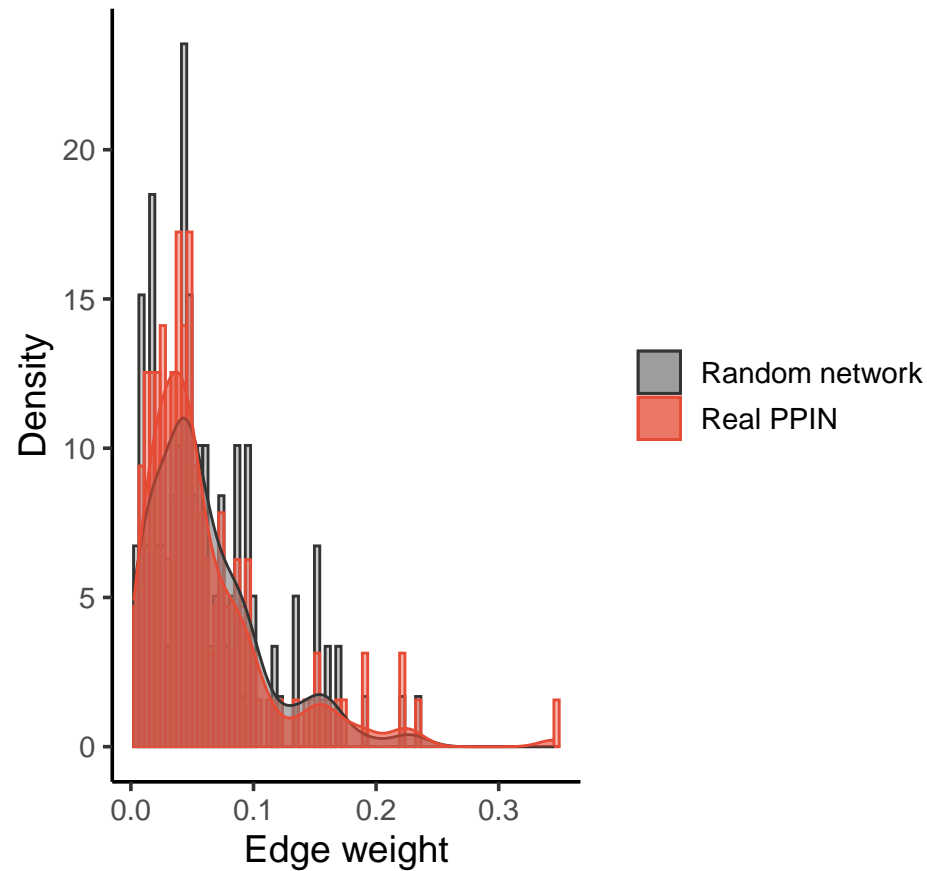
Edge-weight distribution

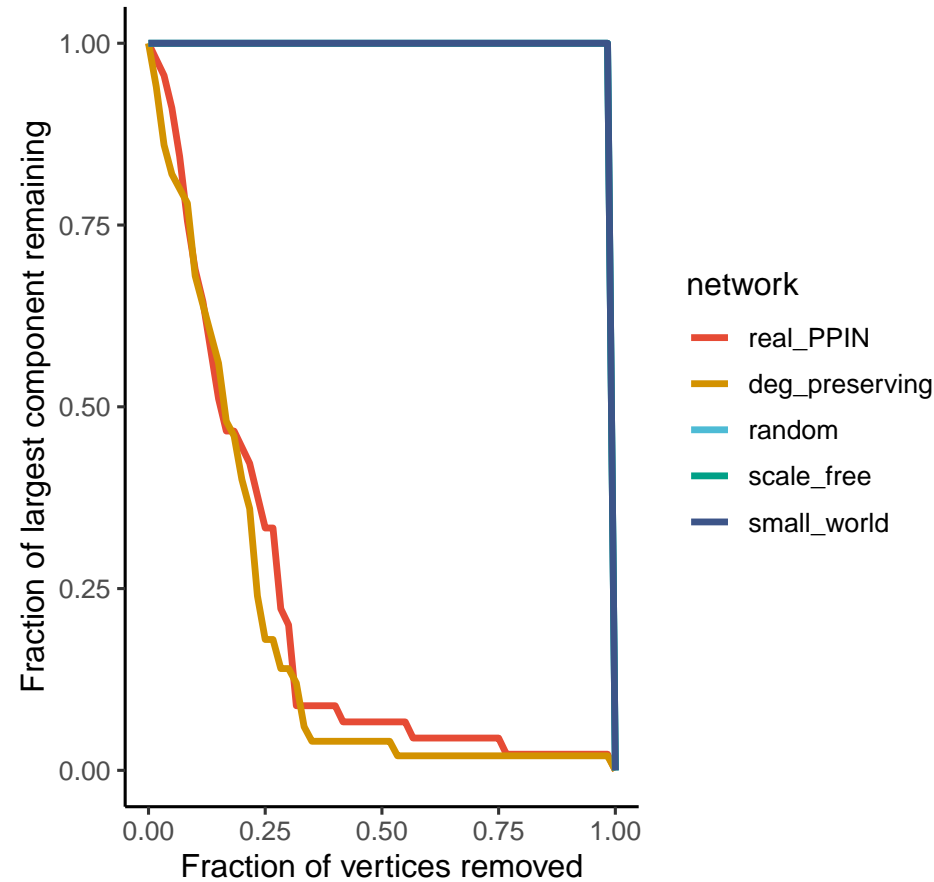CTS_16.1 fragmentation under targeted-node attack
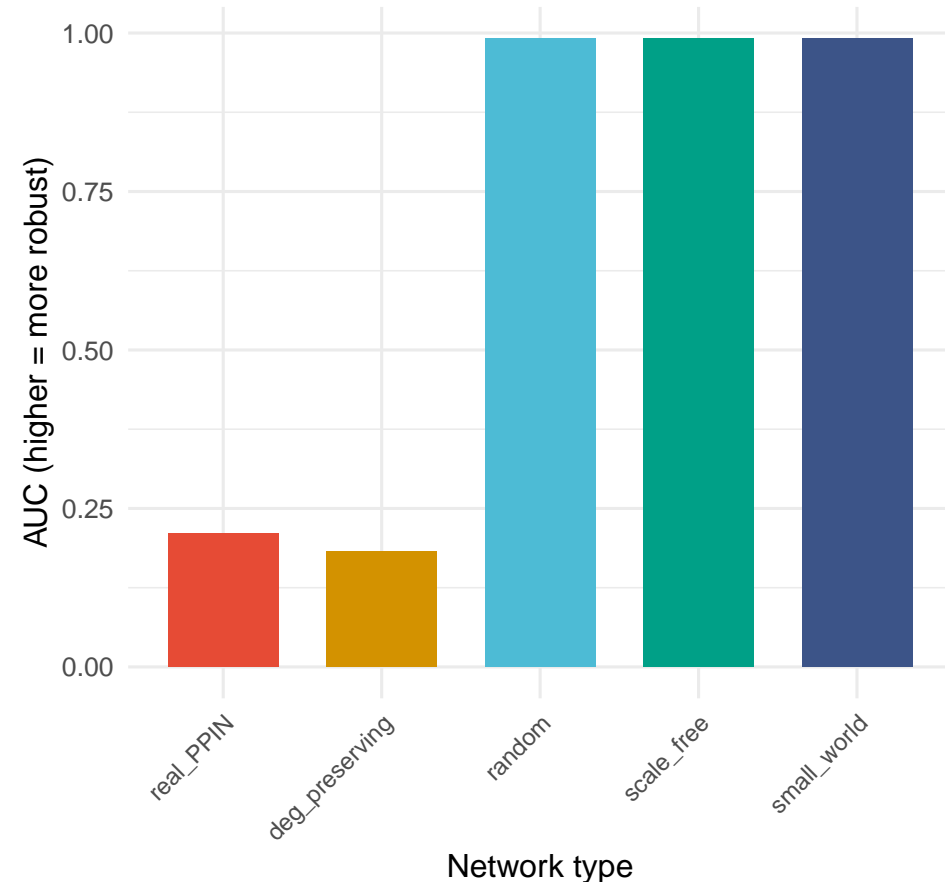
CTS_16.1 resilience (AUC of fragmentation curve)
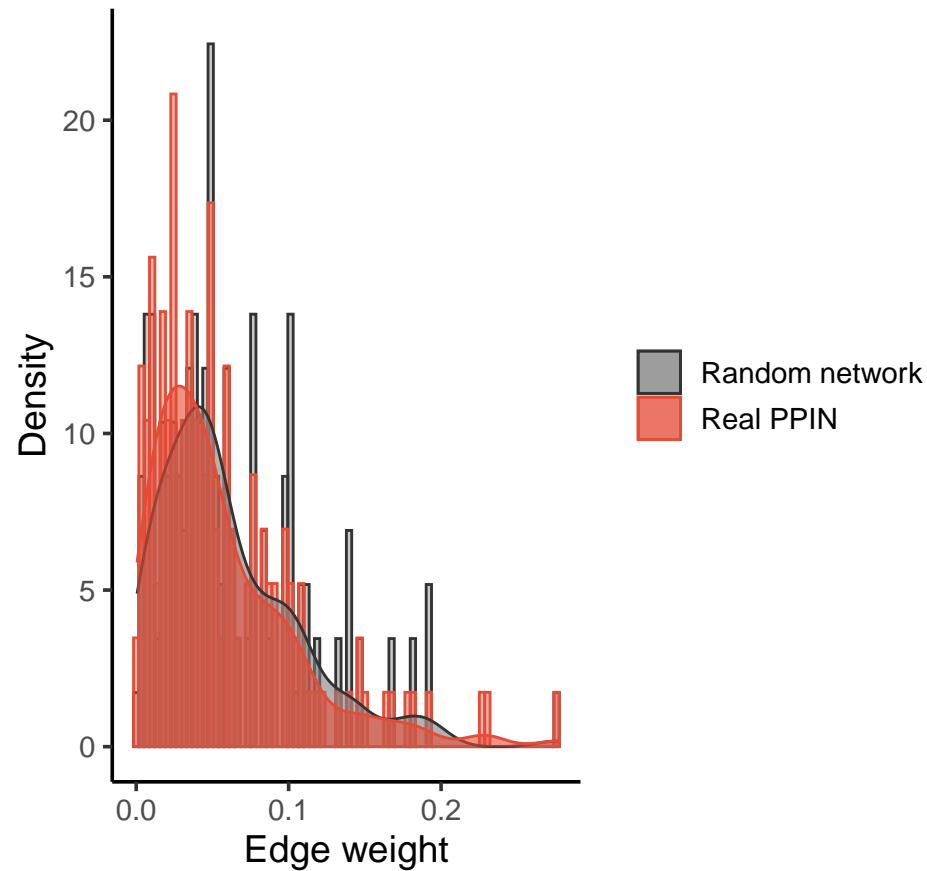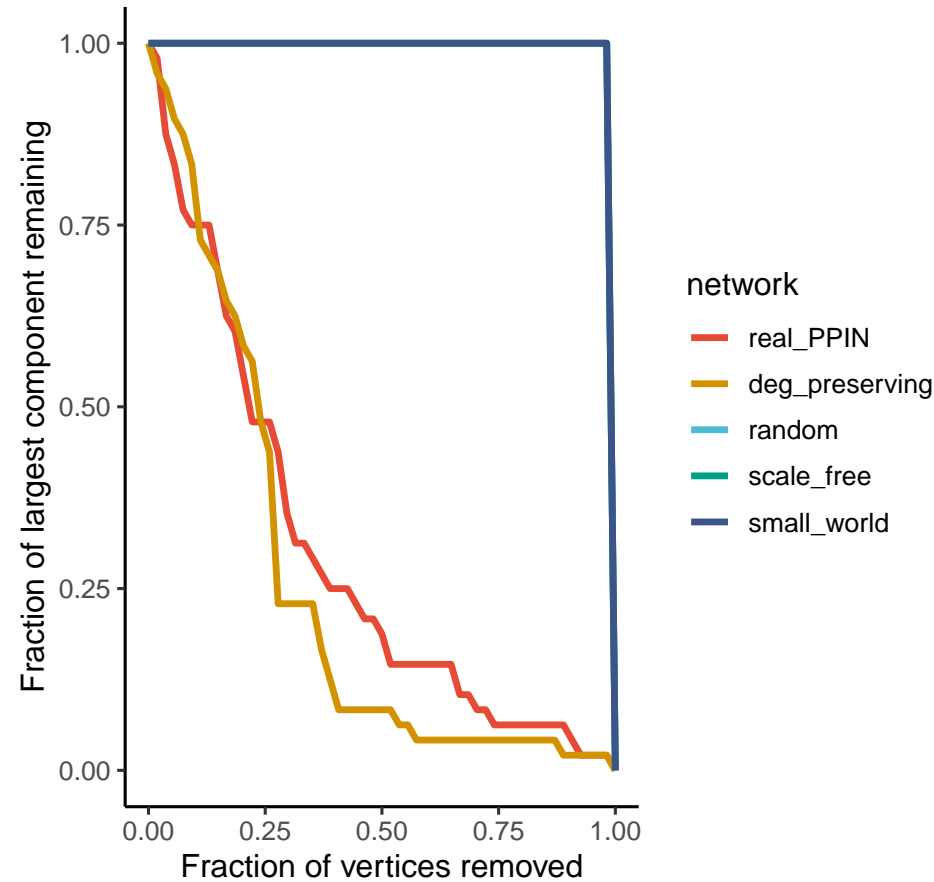
Edge–weight distribution

CTS_13 fragmentation under targeted–node attack

CTS_13 resilience (AUC of fragmentation curve)

Edge−weight distribution | CTS_8 fragmentation under targeted−node attack | CTS_8 resilience (AUC of fragmentation curve)