Contents

List of Figures

List of Tables

Abbreviations

AHP	**A**nalytic **H**ierarchy **P**rocess
BC	**B**etweenness **C**entrality
CC	**C**loseness **Ce**ntrality
CW	**C**riteria **W**eight
DC	**D**egree **C**entrality
EC	**E**igenvector **C**entrality
MCDM	**M**ulti **C**riteria **D**ecision **M**aking
OQuaRE	**O**ntology **Qua**lity **R**equirements and **E**valuation
OSN	**O**nline **S**ocial **N**etwork
PCM	**P**airwise **C**omparison **M**atrix
RDF	**R**esource **D**escription **F**ramework
RQ	**R**esearch **Q**uestion
SI	**S**usceptible-**I**nfected
SIR	**S**usceptible-**I**nfected-**R**ecovered
SIRB	**S**usceptible-**I**nfected-**R**ecovered-**B**locked
SIRPA	**S**usceptible-**I**nfected-**R**ecovered-**P**revented-**A**gent
SPARQL	**S**PARQL **P**rotocol **A**nd **R**DF **Q**uery **L**anguage
SQuaRE	**S**oftware product **Qua**lity **R**equirements and **E**valuation
TOPSIS	**T**echnique for **O**rder of **P**reference by **S**imilarity to **I**deal **S**olution

Symbols

C_{leaf_i}	i_{th} leaf class
m	Total number of paths
C_i	i_{th} class of the ontology
P_{C_i}	Properties of i_{th} class
R_{C_i}	Relationships of i_{th} class
$SupC_{C_i}$	Superclasses of i_{th} class
Att_{C_i}	Attributes of i_{th} class
I_{C_i}	Individuals of i_{th} class
A_{C_i}	Mean number of annotations per i_{th} class
N	Total population
S	Expected number of susceptible nodes
I	Expected number of infected nodes
R	Expected number of recovered nodes
B	Expected number of blocked nodes
β	Infection probability
γ	Recovery probability
α	Blocking prabability
θ	Node level threshold
η	Edge level threshold
P	Expected number of prevented nodes
A	Number of agent nodes

n	Total population excluding agents
β	Rumor diffusion probability
γ	Counter-Rumor diffusion probability