

# ICON8002 SNA

2018-10-19

## Social Network Analysis

This is a report generated from social network analysis of the actors within the shrimping industry on the Georgia Coast. The resulting output of the analysis demonstrates the relationships between shrimpers, dockers, and other agencies/organizations.

### Network attributes

- Diameter

## [1] 8

- Reciprocity

## [1] 0.05434783

- Number of edges

## [1] 368

- Number of egos

## [1] 100

- Edge density

## [1] 0.03717172

- Closeness

##	closeness
## Devine, Marcus	0.002293578
## Guijosa, Susan	0.002222222
## Crouch, Holly	0.002369668
## Tsegay, Marcus	0.002617801
## Alvarado Rodriguez, Estephania	0.002178649
## Coleman Martin, Sierra	0.002049180
## Thomas-Moore, Tercell	0.002409639
## Acuna, Marco Antonio	0.002145923
## Tunnell, Cassandra	0.002538071
## Dubose, Susan	0.002506266
## Moya, Gage	0.002227171
## Delahaye, Andrew	0.001841621
## Dotson, Shahrazad	0.002298851
## Silerio, Lurline	0.002257336
## Lichtin, Michael	0.002481390
## House, Adam	0.002544529
## Aleman-Reyes, Thomas	0.002207506
## Thompson, Levi	0.002325581
## Howlette III, Izabella	0.002551020
## Portillo, Devyn	0.002257336
## Colquhoun, Kacie	0.002469136

## Moore, Eric	0.002506266
## Frias Aguirre, Moises	0.002525253
## Hart, Daniel	0.002518892
## Reynolds, Tamara	0.001960784
## Ochoa, Phillip	0.002252252
## Flynn, Kyle	0.002398082
## Hunt, Ne'Koda	0.002624672
## Vaca, Reina	0.002444988
## Chappell, Miriam	0.002493766
## Reyes, Carenda	0.002024291
## Martinez, Shelby	0.002314815
## Menzies, Spencer	0.001862197
## Lee, Said	0.001992032
## Zamarron, Joe	0.002053388
## Nordby, Sara	0.002544529
## Cotton, Charles	0.002512563
## Serna Mata, Lizeth	0.002386635
## Sibbitts, Garrett	0.001592357
## Thompson, Clay	0.002659574
## Rivas, Lesslie	0.002518892
## Degrado, Anthony	0.002433090
## Lanier, Walter	0.002192982
## Briceno, Lesly	0.002304147
## Williams, Brandon	0.001808318
## Wright, Khalia	0.002288330
## Roybal, Leonardo	0.002283105
## Perez-Paine, William	0.002202643
## Lee, Mallory	0.002421308
## Gilbert, Yessica	0.002386635
## Scott, Lia	0.002150538
## Matthews, Michale	0.002232143
## Vigil, Mario	0.002288330
## Allen, Michael	0.002444988
## Bailey, Auvia	0.002212389
## Yribia, Omar	0.001890359
## Wagdy, Amber	0.002040816
## Jacobs, Diangelo	0.002304147
## Montoya-Landeros, Danielle	0.002188184
## Coxon, Garrett	0.002293578
## Bush, Kayla	0.002597403
## Ramos-Rangel, Claudia	0.002358491
## Butler-Dines, Andrew	0.001980198
## Link, Raja	0.001883239
## Phillips, Naomi	0.002164502
## Rappe, Amin	0.001890359
## Pollard, Olivia	0.001655629
## Garcia Calderon, Jessica	0.002183406
## Salvetti, Louise	0.002207506
## Gullatt, Markayle	0.002347418
## Guerrero, Laura	0.002188184
## Hampf, Annastasia	0.002597403
## Vick, Yael	0.002136752
## Vallejos, Ethan	0.002386635
## Schroer, Thomas	0.001912046

## Starks III, Cameron	0.001968504
## Flores, Tony	0.001934236
## Parson, Kaylie	0.002237136
## Byrd, Kimber	0.001956947
## Hernandez, Jaycee	0.002380952
## Black, Joseph	0.001858736
## Girmai, Dezhanae	0.002304147
## Suarez, Gennifer	0.002150538
## Haynes, Natasha	0.002364066
## Gonzalez, Dan	0.001831502
## Valdez, Daniel	0.001776199
## Browning, Brennon	0.002386635
## Crittenden, Walter	0.002141328
## Mcnorton, Natasha	0.001980198
## Knutsen, Rachel	0.001745201
## Parks, Deshawn	0.002242152
## Jimenez Guillen, Samantha	0.002512563
## Sheppard, Zacheriah	0.002150538
## Johnson, Rikia	0.002364066
## Bravo, Andrea	0.002358491
## Robertson, Harlee	0.002293578
## Howard, Jordan	0.002309469
## Leos, Cristina	0.002427184
## King, Joshua	0.002083333
## Wesley, Destinee	0.002564103

• Degree

## Devine, Marcus	Guijosa, Susan
## 10	4
## Crouch, Holly	Tsegay, Marcus
## 6	11
## Alvarado Rodriguez, Estephania	Coleman Martin, Sierra
## 5	6
## Thomas-Moore, Tercell	Acuna, Marco Antonio
## 10	5
## Tunnell, Cassandra	Dubose, Susan
## 9	12
## Moya, Gage	Delahaye, Andrew
## 6	7
## Dotson, Shahrazad	Silerio, Lurline
## 9	10
## Lichtin, Michael	House, Adam
## 9	13
## Aleman-Reyes, Thomas	Thompson, Levi
## 6	5
## Howlette III, Izabella	Portillo, Devyn
## 9	7
## Colquhoun, Kacie	Moore, Eric
## 10	11
## Frias Aguirre, Moises	Hart, Daniel
## 12	9
## Reynolds, Tamara	Ochoa, Phillip
## 7	7
## Flynn, Kyle	Hunt, Ne'Koda

##	14	8
##	Vaca, Reina	Chappell, Miriam
##	9	9
##	Reyes, Carenda	Martinez, Shelby
##	4	11
##	Menzies, Spencer	Lee, Said
##	7	6
##	Zamarron, Joe	Nordby, Sara
##	6	8
##	Cotton, Charles	Serna Mata, Lizeth
##	9	9
##	Sibbitts, Garrett	Thompson, Clay
##	3	10
##	Rivas, Lesslie	Degrado, Anthony
##	6	13
##	Lanier, Walter	Briceno, Lesly
##	5	6
##	Williams, Brandon	Wright, Khalia
##	6	4
##	Roybal, Leonardo	Perez-Paine, William
##	8	2
##	Lee, Mallory	Gilbert, Yessica
##	6	8
##	Scott, Lia	Matthews, Michale
##	8	6
##	Vigil, Mario	Allen, Michael
##	6	8
##	Bailey, Auvia	Yribia, Omar
##	7	3
##	Wagy, Amber	Jacobs, Diangelo
##	5	6
##	Montoya-Landeros, Danielle	Coxon, Garrett
##	13	5
##	Bush, Kayla	Ramos-Rangel, Claudia
##	11	11
##	Butler-Dines, Andrew	Link, Raja
##	6	4
##	Phillips, Naomi	Rappe, Amin
##	4	6
##	Pollard, Olivia	Garcia Calderon, Jessica
##	3	9
##	Salvetti, Louise	Gullatt, Markayle
##	8	6
##	Guerrero, Laura	Hampf, Annastasia
##	5	7
##	Vick, Yael	Vallejos, Ethan
##	3	7
##	Schroer, Thomas	Starks III, Cameron
##	8	7
##	Flores, Tony	Parson, Kaylie
##	2	3
##	Byrd, Kimber	Hernandez, Jaycee
##	4	5
##	Black, Joseph	Girmai, Dezhanae

##	7	9
##	Suarez, Gennifer	Haynes, Natasha
##	3	11
##	Gonzalez, Dan	Valdez, Daniel
##	5	3
##	Browning, Brennon	Crittenden, Walter
##	11	5
##	McNorton, Natasha	Knutsen, Rachel
##	7	3
##	Parks, Deshawn	Jimenez Guillen, Samantha
##	10	10
##	Sheppard, Zachariah	Johnson, Rikia
##	9	6
##	Bravo, Andrea	Robertson, Harlee
##	10	9
##	Howard, Jordan	Leos, Cristina
##	7	10
##	King, Joshua	Wesley, Destinee
##	10	13

- In-degree

##	in.degree
## Devine, Marcus	3
## Guijosa, Susan	1
## Crouch, Holly	2
## Tsegay, Marcus	4
## Alvarado Rodriguez, Estephania	3
## Coleman Martin, Sierra	5
## Thomas-Moore, Tercell	4
## Acuna, Marco Antonio	3
## Tunnell, Cassandra	4
## Dubose, Susan	5
## Moya, Gage	1
## Delahaye, Andrew	6
## Dotson, Shahrazad	6
## Silerio, Lurline	7
## Lichtin, Michael	3
## House, Adam	6
## Aleman-Reyes, Thomas	4
## Thompson, Levi	2
## Howlette III, Izabella	2
## Portillo, Devyn	2
## Colquhoun, Kacie	5
## Moore, Eric	4
## Frias Aguirre, Moises	5
## Hart, Daniel	4
## Reynolds, Tamara	6
## Ochoa, Phillip	3
## Flynn, Kyle	8
## Hunt, Ne'Koda	2
## Vaca, Reina	4
## Chappell, Miriam	4
## Reyes, Carenda	2
## Martinez, Shelby	6

## Menzies, Spencer	6
## Lee, Said	4
## Zamarron, Joe	5
## Nordby, Sara	3
## Cotton, Charles	2
## Serna Mata, Lizeth	3
## Sibbitts, Garrett	2
## Thompson, Clay	4
## Rivas, Lesslie	1
## Degrado, Anthony	7
## Lanier, Walter	2
## Briceno, Lesly	3
## Williams, Brandon	5
## Wright, Khalia	1
## Roybal, Leonardo	5
## Perez-Paine, William	0
## Lee, Mallory	2
## Gilbert, Yessica	4
## Scott, Lia	5
## Matthews, Michale	2
## Vigil, Mario	2
## Allen, Michael	3
## Bailey, Auvia	4
## Yribia, Omar	2
## Wagdy, Amber	3
## Jacobs, Diangelo	3
## Montoya-Landeros, Danielle	6
## Coxon, Garrett	2
## Bush, Kayla	4
## Ramos-Rangel, Claudia	7
## Butler-Dines, Andrew	4
## Link, Raja	2
## Phillips, Naomi	2
## Rappe, Amin	5
## Pollard, Olivia	2
## Garcia Calderon, Jessica	5
## Salvetti, Louise	4
## Gullatt, Markayle	1
## Guerrero, Laura	3
## Hampf, Annastasia	2
## Vick, Yael	1
## Vallejos, Ethan	2
## Schroer, Thomas	6
## Starks III, Cameron	5
## Flores, Tony	1
## Parson, Kaylie	1
## Byrd, Kimber	2
## Hernandez, Jaycee	2
## Black, Joseph	6
## Girmai, Dezhanae	5
## Suarez, Gennifer	1
## Haynes, Natasha	5
## Gonzalez, Dan	4
## Valdez, Daniel	1

## Browning, Brennon	5
## Crittenden, Walter	2
## Mcnorton, Natasha	5
## Knutsen, Rachel	2
## Parks, Deshawn	7
## Jimenez Guillen, Samantha	6
## Sheppard, Zacheriah	7
## Johnson, Rikia	3
## Bravo, Andrea	5
## Robertson, Harlee	5
## Howard, Jordan	4
## Leos, Cristina	5
## King, Joshua	6
## Wesley, Destinee	6

Network plot

### Test Data Connections (color by profession)

