

Code Written Using r/dagitty Web Package

Outcome: Increased Alcohol Use (Full Model)

```
dag {  
  bb="-3.362,-3.032,3.897,2.634"  
  "Education Outcomes" [pos="0.293,1.033"]  
  "Essential Worker Status" [pos="1.395,-2.225"]  
  "Food Insecurity" [pos="-0.958,2.237"]  
  "Housing Problems" [pos="-1.363,-0.657"]  
  "Inadequate Health Insurance" [pos="1.703,0.489"]  
  "Income Inequality & Poverty" [pos="2.723,-0.106"]  
  "Increased Alcohol Use" [outcome,pos="3.348,-0.836"]  
  "Language Barriers" [pos="1.529,2.141"]  
  "Mental Distress" [pos="-0.108,-1.048"]  
  "Preexisting Chronic Condition/Disability" [pos="2.672,1.898"]  
  "Racial/Ethnic Minority Status" [pos="0.755,0.003"]  
  "Racialized Police Violence" [pos="-0.102,-2.328"]  
  "Transportation Problems" [pos="-2.270,0.669"]  
  "Violent Crime" [pos="-0.496,0.047"]  
  Discrimination [exposure,pos="-2.844,-0.644"]  
  Unemployment [pos="-1.962,2.058"]  
  "Education Outcomes" -> Unemployment  
  "Education Outcomes" <-> "Housing Problems"  
  "Education Outcomes" <-> "Inadequate Health Insurance"  
  "Education Outcomes" <-> "Income Inequality & Poverty"  
  "Education Outcomes" <-> "Increased Alcohol Use"  
  "Education Outcomes" <-> "Preexisting Chronic Condition/Disability"  
  "Education Outcomes" <-> "Transportation Problems"  
  "Education Outcomes" <-> Discrimination  
  "Essential Worker Status" -> "Mental Distress"  
  "Essential Worker Status" -> "Preexisting Chronic Condition/Disability"  
  "Essential Worker Status" <-> "Income Inequality & Poverty"  
  "Essential Worker Status" <-> Discrimination  
  "Food Insecurity" -> "Education Outcomes"  
  "Food Insecurity" -> "Increased Alcohol Use"  
  "Food Insecurity" -> "Preexisting Chronic Condition/Disability"  
  "Food Insecurity" -> "Violent Crime"  
  "Food Insecurity" <-> "Mental Distress"  
  "Housing Problems" -> "Food Insecurity"  
  "Housing Problems" -> "Increased Alcohol Use"
```

"Housing Problems" -> "Preexisting Chronic Condition/Disability"
"Housing Problems" -> "Racialized Police Violence"
"Housing Problems" -> "Transportation Problems"
"Housing Problems" <-> "Income Inequality & Poverty"
"Housing Problems" <-> "Mental Distress"
"Housing Problems" <-> "Violent Crime"
"Housing Problems" <-> Unemployment
"Inadequate Health Insurance" -> "Preexisting Chronic Condition/Disability"
"Inadequate Health Insurance" <-> "Income Inequality & Poverty"
"Inadequate Health Insurance" <-> "Mental Distress"
"Inadequate Health Insurance" <-> Discrimination
"Income Inequality & Poverty" -> "Food Insecurity"
"Income Inequality & Poverty" -> "Increased Alcohol Use"
"Income Inequality & Poverty" -> "Preexisting Chronic Condition/Disability"
"Income Inequality & Poverty" -> "Racialized Police Violence"
"Income Inequality & Poverty" -> "Transportation Problems"
"Income Inequality & Poverty" -> "Violent Crime"
"Income Inequality & Poverty" <-> "Mental Distress"
"Income Inequality & Poverty" <-> Discrimination
"Income Inequality & Poverty" <-> Unemployment
"Increased Alcohol Use" -> "Violent Crime"
"Increased Alcohol Use" <-> "Mental Distress"
"Increased Alcohol Use" <-> "Preexisting Chronic Condition/Disability"
"Language Barriers" -> "Education Outcomes"
"Language Barriers" -> "Essential Worker Status"
"Language Barriers" -> "Food Insecurity"
"Language Barriers" -> "Housing Problems"
"Language Barriers" -> "Inadequate Health Insurance"
"Language Barriers" -> "Mental Distress"
"Language Barriers" -> "Racialized Police Violence"
"Language Barriers" -> "Transportation Problems"
"Language Barriers" -> Discrimination
"Language Barriers" -> Unemployment
"Mental Distress" -> "Education Outcomes"
"Mental Distress" <-> "Preexisting Chronic Condition/Disability"
"Mental Distress" <-> "Racialized Police Violence"
"Mental Distress" <-> "Violent Crime"
"Mental Distress" <-> Unemployment
"Preexisting Chronic Condition/Disability" -> Unemployment
"Preexisting Chronic Condition/Disability" <-> Discrimination

"Racial/Ethnic Minority Status" -> "Education Outcomes"
 "Racial/Ethnic Minority Status" -> "Essential Worker Status"
 "Racial/Ethnic Minority Status" -> "Food Insecurity"
 "Racial/Ethnic Minority Status" -> "Housing Problems"
 "Racial/Ethnic Minority Status" -> "Inadequate Health Insurance"
 "Racial/Ethnic Minority Status" -> "Income Inequality & Poverty"
 "Racial/Ethnic Minority Status" -> "Increased Alcohol Use"
 "Racial/Ethnic Minority Status" -> "Language Barriers"
 "Racial/Ethnic Minority Status" -> "Mental Distress"
 "Racial/Ethnic Minority Status" -> "Preexisting Chronic Condition/Disability"
 "Racial/Ethnic Minority Status" -> "Racialized Police Violence"
 "Racial/Ethnic Minority Status" -> "Transportation Problems"
 "Racial/Ethnic Minority Status" -> "Violent Crime"
 "Racial/Ethnic Minority Status" -> Discrimination
 "Racial/Ethnic Minority Status" -> Unemployment
 "Racialized Police Violence" -> "Increased Alcohol Use"
 "Racialized Police Violence" -> "Preexisting Chronic Condition/Disability"
 "Racialized Police Violence" -> "Violent Crime"
 "Transportation Problems" -> "Food Insecurity"
 "Transportation Problems" -> "Mental Distress"
 "Transportation Problems" -> "Preexisting Chronic Condition/Disability"
 "Transportation Problems" -> "Racialized Police Violence"
 "Transportation Problems" <-> "Violent Crime"
 "Transportation Problems" <-> Unemployment
 Discrimination -> "Food Insecurity"
 Discrimination -> "Housing Problems"
 Discrimination -> "Increased Alcohol Use"
 Discrimination -> "Mental Distress"
 Discrimination -> "Racialized Police Violence"
 Discrimination -> "Transportation Problems"
 Discrimination -> "Violent Crime"
 Unemployment -> "Increased Alcohol Use"
 Unemployment -> "Violent Crime"
 }

Outcome: Increased Alcohol Use (Parsimonious; Direct Causal Effects Only)

```
dag {  
  bb="-3.136,-3.638,3.25,2.4"  
  "Housing Problems" [pos="0.310,0.879"]  
  "Increased Alcohol Use" [outcome,pos="2.447,-1.393"]  
  "Racial/Ethnic Minority Status" [pos="-2.162,-1.127"]  
  "Racialized Police Violence" [pos="-1.576,1.718"]  
  "Transportation Problems" [pos="1.974,1.554"]  
  Discrimination [exposure,pos="0.052,-1.223"]  
  "Housing Problems" -> "Increased Alcohol Use"  
  "Housing Problems" -> "Transportation Problems"  
  "Racial/Ethnic Minority Status" -> Discrimination  
  "Racialized Police Violence" -> "Increased Alcohol Use"  
  "Transportation Problems" -> "Racialized Police Violence"  
  Discrimination -> "Housing Problems"  
  Discrimination -> "Increased Alcohol Use"  
  Discrimination -> "Racialized Police Violence"  
  Discrimination -> "Transportation Problems"  
}
```

Outcome: Increased Marijuana Use (Full Model)

```
dag {  
bb="-2.915,-2.993,3.261,3.638"  
"Education Outcomes" [pos="-1.890,1.098"]  
"Essential Worker Status" [pos="0.997,-1.270"]  
"Food Insecurity" [pos="1.748,-2.131"]  
"Housing Problems" [pos="-1.707,-1.697"]  
"Inadequate Health Insurance" [pos="0.238,2.784"]  
"Income Inequality & Poverty" [pos="1.071,1.660"]  
"Increased Marijuana Use" [outcome,pos="2.733,-0.498"]  
"Language Barriers" [pos="2.315,2.147"]  
"Mental Distress" [pos="-0.551,0.566"]  
"Preexisting Chronic Condition/Disability" [pos="2.550,0.926"]  
"Racial/Ethnic Minority Status" [pos="0.090,-0.423"]  
"Racialized Police Violence" [pos="0.230,-2.528"]  
"Transportation Problems" [pos="-0.691,1.510"]  
"Violent Crime" [pos="-1.092,-0.910"]  
Discrimination [exposure,pos="-2.501,-0.520"]  
Unemployment [pos="-1.973,2.507"]  
"Education Outcomes" -> Unemployment  
"Education Outcomes" <-> "Housing Problems"  
"Education Outcomes" <-> "Inadequate Health Insurance"  
"Education Outcomes" <-> "Income Inequality & Poverty"  
"Education Outcomes" <-> "Increased Marijuana Use"  
"Education Outcomes" <-> "Preexisting Chronic Condition/Disability"  
"Education Outcomes" <-> "Transportation Problems"  
"Education Outcomes" <-> Discrimination  
"Essential Worker Status" -> "Mental Distress"  
"Essential Worker Status" -> "Preexisting Chronic Condition/Disability"  
"Essential Worker Status" <-> "Income Inequality & Poverty"  
"Essential Worker Status" <-> Discrimination  
"Food Insecurity" -> "Education Outcomes"  
"Food Insecurity" -> "Increased Marijuana Use"  
"Food Insecurity" -> "Preexisting Chronic Condition/Disability"  
"Food Insecurity" -> "Violent Crime"  
"Food Insecurity" <-> "Mental Distress"  
"Housing Problems" -> "Food Insecurity"  
"Housing Problems" -> "Preexisting Chronic Condition/Disability"  
"Housing Problems" -> "Racialized Police Violence"  
"Housing Problems" -> "Transportation Problems"
```

"Housing Problems" <-> "Income Inequality & Poverty"
"Housing Problems" <-> "Mental Distress"
"Housing Problems" <-> "Violent Crime"
"Housing Problems" <-> Unemployment
"Inadequate Health Insurance" -> "Preexisting Chronic Condition/Disability"
"Inadequate Health Insurance" <-> "Income Inequality & Poverty"
"Inadequate Health Insurance" <-> "Mental Distress"
"Inadequate Health Insurance" <-> Discrimination
"Income Inequality & Poverty" -> "Food Insecurity"
"Income Inequality & Poverty" -> "Preexisting Chronic Condition/Disability"
"Income Inequality & Poverty" -> "Racialized Police Violence"
"Income Inequality & Poverty" -> "Transportation Problems"
"Income Inequality & Poverty" -> "Violent Crime"
"Income Inequality & Poverty" <-> "Mental Distress"
"Income Inequality & Poverty" <-> Discrimination
"Income Inequality & Poverty" <-> Unemployment
"Increased Marijuana Use" -> "Violent Crime"
"Increased Marijuana Use" -> Unemployment
"Increased Marijuana Use" <-> "Mental Distress"
"Increased Marijuana Use" <-> "Preexisting Chronic Condition/Disability"
"Language Barriers" -> "Education Outcomes"
"Language Barriers" -> "Essential Worker Status"
"Language Barriers" -> "Food Insecurity"
"Language Barriers" -> "Housing Problems"
"Language Barriers" -> "Inadequate Health Insurance"
"Language Barriers" -> "Mental Distress"
"Language Barriers" -> "Racialized Police Violence"
"Language Barriers" -> "Transportation Problems"
"Language Barriers" -> Unemployment
"Language Barriers" <-> Discrimination
"Mental Distress" -> "Education Outcomes"
"Mental Distress" <-> "Preexisting Chronic Condition/Disability"
"Mental Distress" <-> "Racialized Police Violence"
"Mental Distress" <-> "Violent Crime"
"Mental Distress" <-> Unemployment
"Preexisting Chronic Condition/Disability" <-> Discrimination
"Racial/Ethnic Minority Status" -> "Education Outcomes"
"Racial/Ethnic Minority Status" -> "Essential Worker Status"
"Racial/Ethnic Minority Status" -> "Food Insecurity"
"Racial/Ethnic Minority Status" -> "Housing Problems"

"Racial/Ethnic Minority Status" -> "Inadequate Health Insurance"
 "Racial/Ethnic Minority Status" -> "Income Inequality & Poverty"
 "Racial/Ethnic Minority Status" -> "Increased Marijuana Use"
 "Racial/Ethnic Minority Status" -> "Language Barriers"
 "Racial/Ethnic Minority Status" -> "Mental Distress"
 "Racial/Ethnic Minority Status" -> "Preexisting Chronic Condition/Disability"
 "Racial/Ethnic Minority Status" -> "Racialized Police Violence"
 "Racial/Ethnic Minority Status" -> "Transportation Problems"
 "Racial/Ethnic Minority Status" -> "Violent Crime"
 "Racial/Ethnic Minority Status" -> Discrimination
 "Racial/Ethnic Minority Status" -> Unemployment
 "Racialized Police Violence" -> "Increased Marijuana Use"
 "Racialized Police Violence" -> "Preexisting Chronic Condition/Disability"
 "Racialized Police Violence" -> "Violent Crime"
 "Transportation Problems" -> "Food Insecurity"
 "Transportation Problems" -> "Mental Distress"
 "Transportation Problems" -> "Preexisting Chronic Condition/Disability"
 "Transportation Problems" -> "Racialized Police Violence"
 "Transportation Problems" <-> "Violent Crime"
 "Transportation Problems" <-> Unemployment
 Discrimination -> "Food Insecurity"
 Discrimination -> "Housing Problems"
 Discrimination -> "Increased Marijuana Use"
 Discrimination -> "Mental Distress"
 Discrimination -> "Racialized Police Violence"
 Discrimination -> "Transportation Problems"
 Discrimination -> "Violent Crime"
 Discrimination <-> Unemployment
 Unemployment -> "Inadequate Health Insurance"
 Unemployment -> "Violent Crime"
 }

Outcome: Increased Marijuana Use (Parsimonious; Direct Causal Effects Only)

```
dag {  
  bb="-2.915,-2.993,3.261,3.638"  
  "Food Insecurity" [pos="2.607,0.409"]  
  "Housing Problems" [pos="0.230,1.960"]  
  "Increased Marijuana Use" [outcome,pos="2.511,-1.405"]  
  "Racial/Ethnic Minority Status" [pos="-2.008,-1.367"]  
  "Racialized Police Violence" [pos="1.460,1.548"]  
  "Transportation Problems" [pos="-1.877,0.439"]  
  Discrimination [exposure,pos="0.142,-1.345"]  
  "Food Insecurity" -> "Increased Marijuana Use"  
  "Housing Problems" -> "Transportation Problems"  
  "Racial/Ethnic Minority Status" -> Discrimination  
  "Racialized Police Violence" -> "Increased Marijuana Use"  
  "Transportation Problems" -> "Food Insecurity"  
  "Transportation Problems" -> "Racialized Police Violence"  
  Discrimination -> "Food Insecurity"  
  Discrimination -> "Housing Problems"  
  Discrimination -> "Increased Marijuana Use"  
  Discrimination -> "Racialized Police Violence"  
  Discrimination -> "Transportation Problems"  
}
```