LaTeX Preamble

```
    \documentclass{article}
\usepackage{graphicx} % Required for inserting images
\usepackage{tikz}
\usepackage[landscape]{geometry}
\usepackage{float}
\usepackage{listings}
\usepackage{caption}
\usepackage{subcaption}

%arrange page numbers
\usepackage{fancyhdr}
\pagestyle{fancy}
\fancyhf{}
\renewcommand{\headrulewidth}{0pt}
\fancyhead[R]{\thepage}

%setup Tikz to draw the graphs
\usetikzlibrary{external}
\tikzexternalize
%load options
\usetikzlibrary{positioning, calc, shapes.geometric, shapes.multipart,
        shapes, arrows.meta, arrows, decorations.markings, external, trees}

%Create custom arrow style:
\tikzstyle{Arrow} = [
thick,
decoration={
markings,
mark=at position 0.9999 with {
\arrow[thick]{latex}}},
shorten >= 3pt, preaction = {decorate}]
```

LaTeXCode for Figure 1:

```
\begin{tikzpicture}
    \node (1) {};
    \node [right =of 1] (2)  {Alcohol Abuse (Exposure)};
    \node [right =of 2] (3) {};
    \node [right =of 3] (4) {Death (Outcome)};
    \node [left =of 1] (5) {SEP};
    \node [above =of 3] (6) {Smoking};

    \draw[Arrow] (2.east)--(4.west);
    \draw[Arrow] (2) to (6);
    \draw[Arrow] (6) to (4);
    \draw[Arrow] (5) to [out=-25, in=-160] (4);
    \draw[Arrow] (5) to (6);
    \draw[Arrow] (5.east)--(2.west);
\end{tikzpicture}
```

Daggity Code for Figure 1:

LaTeX Code for Figure 2:

```
\begin{tikzpicture}
    \node (1) {\textbf{Family Hx of Alcohol Abuse}};
    \node [above =of 1] (11) {};
    \node [above =of 11] (12) {};
    \node [above =of 12] (13) {};
    \node [right =of 1] (2) {};
    \node [above =of 2] (10) {\textbf{Friends alcohol abuse}};
    \node [above =of 10] (8) {\textbf{SEP}};
    \node [right =of 2] (3) {\textbf{Alcohol Abuse (Exposure)}};
```

```
      \node [above =of 3] (9) {};
      \node [right =of 8] (7) {};
      \node [right =of 3] (4) {};
      \node [above =of 4] (6) {\textbf{smoking}};
      \node [right =of 4] (5) {\textbf{Death (Outcome)}};
      \draw[Arrow] (3.east)--(5.west);
      \draw[Arrow] (3) to (6);
         \draw[Arrow] (6) to (5);
      \draw[Arrow] (1) to (3);
         \draw[Arrow, thick] (1.north)--(8.west);
         \draw[Arrow] (1) to [out=-25, in=-160] (5);
      \draw[Arrow] (8) to (6);
      \draw[Arrow] (8) to [out=25, in=140] (5);
      \draw[Arrow] (10) to (6);
      \draw[Arrow] (10) to (3);
      \draw[Arrow] (8) to (10);
   \end{tikzpicture}
```

Daggity Code for Figure 2:

```

```

LaTeX Code for Figure 3:

```
   \begin{tikzpicture}
      \node (1) {Family Hx of Alcohol Abuse};
      \node [above =of 1] (11) {};
      \node [above =of 11] (12) {};
      \node [above =of 12] (13) {};
      \node [right =of 1] (2) {};
      \node [above =of 2] (10) {Friends alcohol abuse};
      \node [above =of 10] (8) {SES};
      \node [right =of 2] (3) {Alcohol Abuse (E)};
```

```
        \node [above =of 3] (9) {};
        \node [right =of 8] (7) {};
        \node [right =of 3] (4) {};
        \node [above =of 4] (6) {smoking};
        \node [right =of 4] (5) {Death (Outcome)};
        \node [above =of 1] (14) {Unmeasured (U)};
        \draw[Arrow] (3.east)--(5.west);
        \draw[Arrow] (3) to (6);
            \draw[Arrow] (6) to (5);
        \draw[Arrow] (1) to (3);
            \draw[Arrow, thick] (1) to (8);
            \draw[Arrow] (1) to [out=-25, in=-160] (5);
        \draw[Arrow] (8) to (6);
        \draw[Arrow] (8) to [out=25, in=140] (5);
        \draw[Arrow] (10) to (6);
        \draw[Arrow] (10) to (3);
        \draw[Arrow] (8) to (10);
        \draw[Arrow] (14) to (1);
        \draw[Arrow] (14) to (8);
    \end{tikzpicture}
```

Daggity Code for Figure 3:

LaTeX Code for Figure 4a and 4b:

```
\begin{figure}[H]
    %Figure 4a
    \subsection{Figure 4a}
    \begin{tikzpicture}
        \node (1) {Attractiveness};
        \node  [right =of 1] (2) {};
```

```
        \node [right =of 2] (3)  {};
        \node [above =of 2] (4) {Movie Stardom};
        \node [above =of 1] (6) {};
        \node [above =of 6] (7) {Talent};

        \draw[Arrow] (7) to (4);
        \draw[Arrow] (1) to (4);
    \end{tikzpicture}

    %Figure 4b
    \subsection{Figure 4b}
    \begin{tikzpicture}
        \node (1) {Attractiveness};
        \node  [right =of 1] (2) {};
        \node [right =of 2] (3)  {};
        \node [rectangle, draw, above =of 2] (4) {Movie Stardom};
        \node [above =of 1] (6) {};
        \node [above =of 6] (7) {Talent};
        \draw[Arrow] (7) to (4);
        \draw[Arrow] (1) to (4);
        \draw [smooth, ultra thick, dashed, red] plot coordinates{(0,2.5)(0.6,1.9)(0.95,1.40)(0.6,0.9)(0
    \end{tikzpicture}
```

Daggity Code for Figure 4a and 4b:

LaTeX Code for Figure 5:

```
    \begin{tikzpicture}
        \node [text width=1.5cm](1) {\textbf{Friends alcohol abuse$_{time 0}$}};
        \node [right =of 1] (2) {\textbf{Alcohol Abuse$_{time 0}$}};
        \node [right =of 2,text width=1.5cm] (3) {\textbf{Friends alcohol abuse$_{time 1}$}};
```

```
        \node [right =of 3] (4) {\textbf{Alcohol Abuse$_{time 1}$}};
        \node [right =of 4] (5) {};
        \node [right =of 5] (8) {\textbf{Death}};
        \node [below =of 3] (6) {\textbf{Smoking$_{time 1}$}};
        \node [right =of 6] (9) {};
        \node [right =of 9] (7) {\textbf{Smoking$_{time 2}$}};
        \draw[Arrow, thick] (1.east) -- (2.west);
        \draw[Arrow, thick] (1) to [out=25, in=160] (3);
        \draw[Arrow, thick] (1) to [out=25, in=160] (4);
        \draw[Arrow, thick] (1) to [out=25, in=160] (8);
        \draw[Arrow, thick] (2.east) -- (3.west);
        \draw[Arrow, thick] (2) to [out=25, in=160] (4);
        \draw[Arrow, thick] (3.east) -- (4.west);
        \draw[Arrow, thick] (3) to [out=25, in=160] (8);
        \draw[Arrow, thick] (2) to (6);
        \draw[Arrow, thick] (6.east) -- (4.south);
        \draw[Arrow, thick] (6.east) -- (7);
        \draw[Arrow, thick] (4) to (7);
        \draw[Arrow, thick] (7) to (8);
    \end{tikzpicture}
```

Daggity Code for Figure 5:

LaTeX Code for Figure 6:

```
    \subsection*{A}
    \begin{tikzpicture}
        \node (1) {};
        \node [right =of 1] (2) {};
        \node [right =of 2] (3) {\textbf{Alcohol Use Disorder(Exposure)}};
        \node [right =of 3] (4) {};
```

```
    \node [right =of 4] (5) {\textbf{5-Year Mortality(Outcome)}};
    \draw[Arrow] (3.east)--(5.west);
\end{tikzpicture}

\subsection*{B}
\begin{tikzpicture}
    \node (1) [text width=2cm] {\textbf{Family Hx of Alcohol Abuse}};
    \node [right =of 1] (2) {};
    \node [right =of 2] (3) {};
    \node [right =of 3] (4) {\textbf{Alcohol Use Disorder(Exposure)}};
    \node [right =of 4] (6) {\textbf{5-Year Mortality (Outcome)}};
    \node [above =of 1] (13) {};
    \node [above =of 2] (9) {\textbf{Alcohol Abuse}};
    \node [above =of 13] (7) {\textbf{SEP}};
    \node [right =of 7] (8) {\textbf{Care Access}};
    \draw[Arrow] (4.east)--(6.west);
\end{tikzpicture}
\end{figure}
%need to split these up to smaller figures
\setcounter{figure}{5} %this resets counter so both smaller figures are Figure 6.

\begin{figure}[H]
\subsection*{C}
\begin{tikzpicture}
    \node (1) [text width=2cm] {\textbf{Family Hx of Alcohol Abuse}};
    \node [right =of 1] (2) {};
    \node [right =of 2] (3) {};
    \node [right =of 3] (4) {\textbf{Alcohol Use Disorder(Exposure)}};
    \node [right =of 4] (6) {\textbf{5-Year Mortality (Outcome)}};
    \node [above =of 1] (13) {};
    \node [above =of 2] (9) {\textbf{Alcohol Abuse}};
    \node [above =of 13] (7) {\textbf{SEP}};
    \node [right =of 7] (8) {\textbf{Care Access}};
    \draw[Arrow] (4.east)--(6.west);
    \draw[Arrow] (1.north) to (7.south);
    \draw[Arrow] (7.east) to (8.west);
```

```
    \draw[Arrow] (7) to  (9);
    \draw[Arrow] (9) to  (4);
    \draw[Arrow] (8) to [out=0, in=140] (6);
    \draw[Arrow] (8.south) to  (4.north);
    \draw[Arrow] (9) to  (4);
    \draw[Arrow] (9) to [out=0, in=160]  (6);
    \draw[Arrow] (1) to (9);

\end{tikzpicture}

\subsection*{D}
\begin{tikzpicture}
    \node (1) [text width=3cm] {\textbf{Friends Alcohol Use}};
    \node [right =of 1] (2) {};
    \node [right =of 2] (3) {};
    \node [right =of 3] (4) {\textbf{Alcohol Use Disorder(Exposure)}};
    \node [right =of 4] (6) {\textbf{5-Year Mortality(Outcome)}};
    \node [above =of 1] (13) {};
    \node [above =of 2] (9) {\textbf{Alcohol Abuse}};
    \node [above =of 13] (7) {\textbf{SEP}};
    \node [right =of 7] (8) {\textbf{Care Access}};
    \node [above =of 6] (15) {};
    \node [above =of 15] (16) {\textbf{Smoking}};
    \node [below =of 2] (17) {\textbf{U}};
    \node [left =of 1, text width=2.5cm,align=center] (18) {\textbf{Family Hx of Alcohol Abuse}};
    \draw[Arrow] (4.east)--(6.west);
    \draw[Arrow] (18.east) to (1.west);
    \draw[Arrow] (7.east) to (8.west);
    \draw[Arrow] (7) to  (9);
    \draw[Arrow] (9) to  (4);
    \draw[Arrow] (8) to [out=0, in=140] (6);
    \draw[Arrow] (8.south) to  (4.north);
    \draw[Arrow] (9) to  (4);
    \draw[Arrow] (9) to [out=0, in=160]  (6);
    \draw[Arrow] (1) to (9);
    \draw[Arrow] (7) to [out=20, in=180] (16);
```

```
        \draw[Arrow] (9) to (16);
        \draw[Arrow] (16) to (6);
        \draw[Arrow] (17) to [out=20, in=-140] (4);
        \draw[Arrow] (17) to [out=0, in=-160](6);
        \draw [Arrow] (7) to [out=-20, in=140] (6);
        \draw [Arrow] (18) to (7);
        \draw [Arrow] (18) to [out=30, in=180] (9);
        \draw [Arrow] (18) to [out=-30, in=-180] (4);
    \end{tikzpicture}
```

Daggity Code for Figure 6:

(1) **Alcohol Use Disorder (Exposure)**; [right =of 1] (2) ; [right =of 2] (3) ; [right =of 3] (4) ; [right =of 4] (5) **5-Year Mortality (Outcome)**; [above =of 1] (6) **SEP**; [right =of 6] (7) **Care Access**; [right =of 7] (8) **Alcohol Abuse**; [right =of 8] (9) **Smoking**;