

L^AT_EX 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}]

```

LaTeX Code 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)}};
```

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\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:

L^AT_EX 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:

L^AT_EX 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)(0,0)};
\end{tikzpicture}

```

Daggity Code for Figure 4a and 4b:

L^AT_EX 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:

L^AT_EX 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) {};

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\begin{tikzpicture}
  \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);
\end{tikzpicture}
\end{figure}

```

```

\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);

```



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\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:
