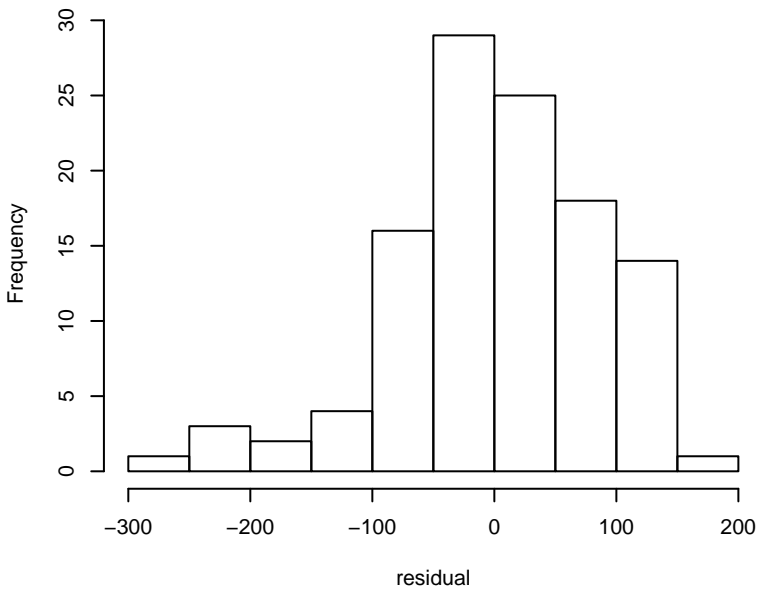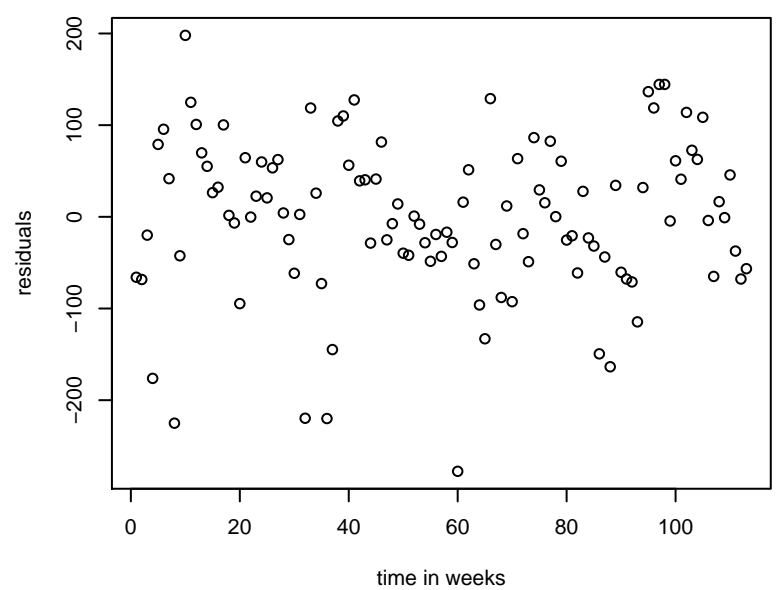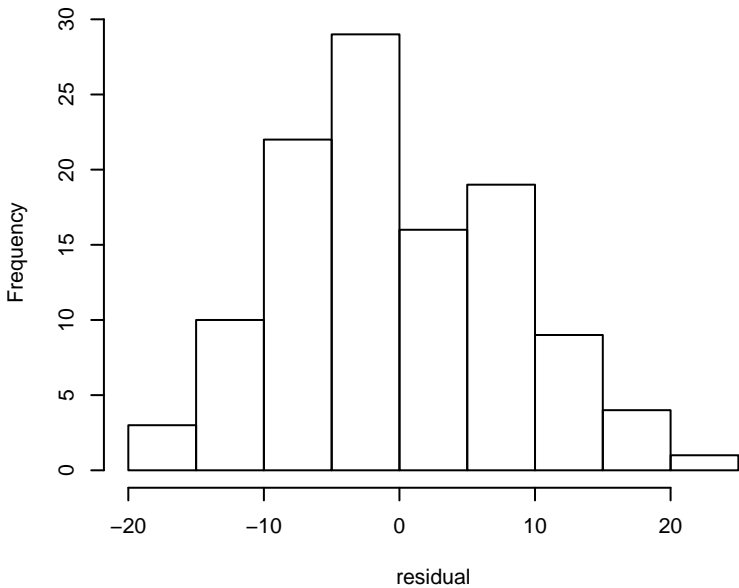**Histogram of residuals for national optimization using a lag of (using no seasonal indicator**
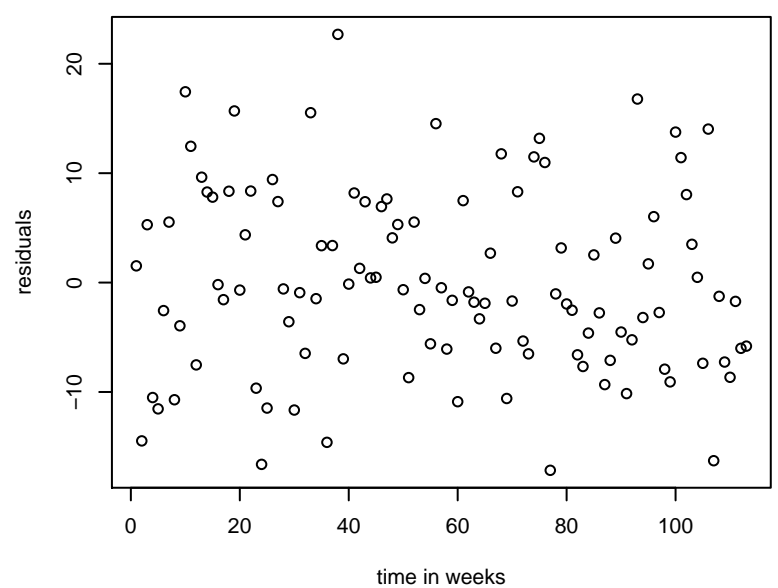
**Residuals for national optimization using a lag of (using no seasonal indicator)**
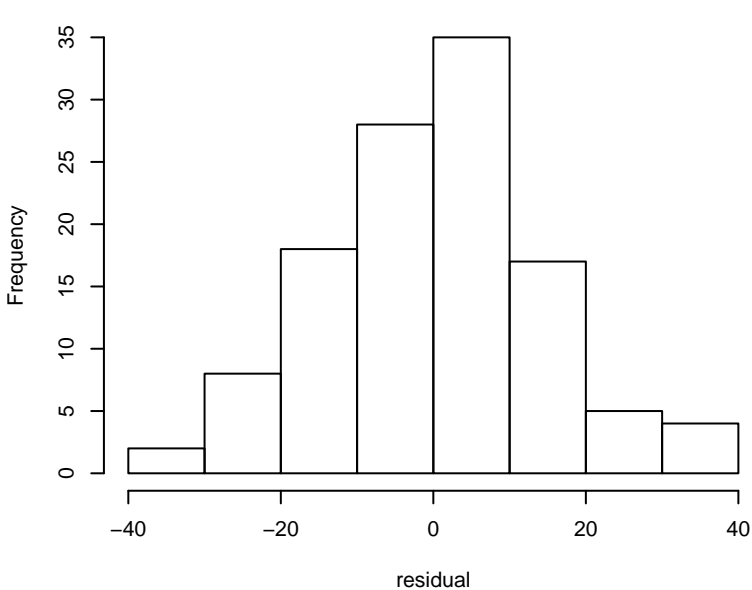
**Histogram of residuals for HHS region 1 optimization using a lag of (using no seasonal indicato**

**Residuals for HHS region 1 optimization using a lag of (using no seasonal indicator)**

**Histogram of residuals for HHS region 2 optimization using a lag of (using no seasonal indicato**

**Residuals for HHS region 2 optimization using a lag of (using no seasonal indicator)**

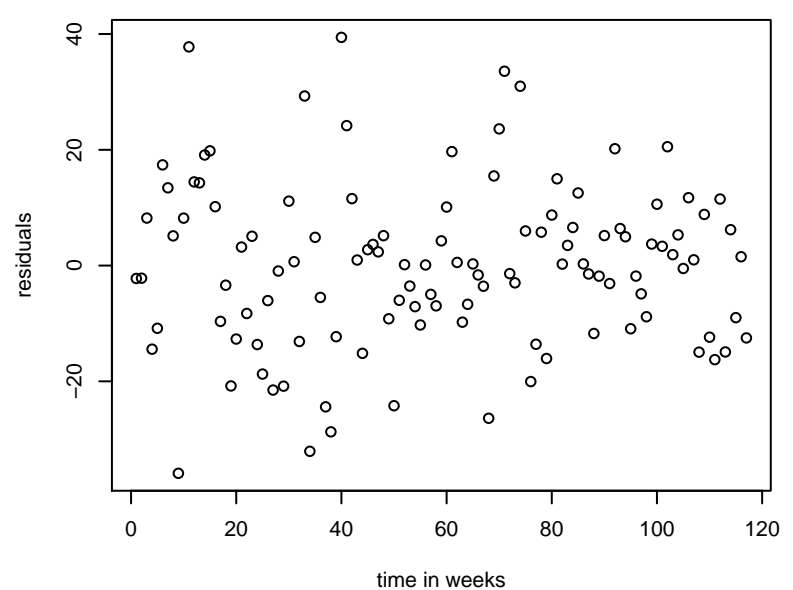**Histogram of residuals for HHS region 3 optimization using a lag of (using no seasonal indicator**

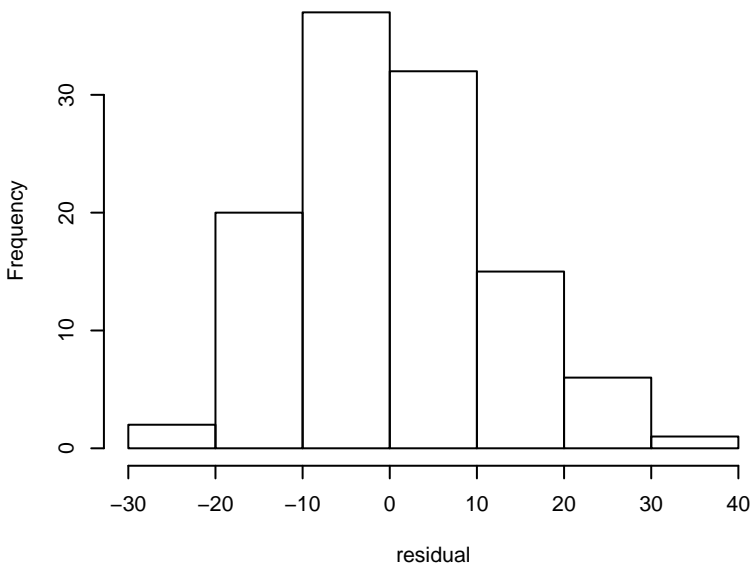**Residuals for HHS region 3 optimization using a lag of (using no seasonal indicator)**

**Histogram of residuals for HHS region 4 optimization using a lag of (using no seasonal indicator**
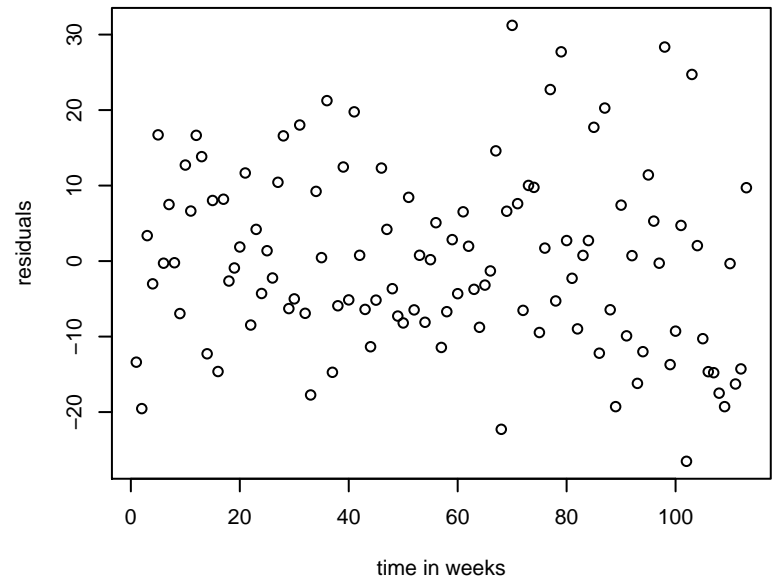
**Residuals for HHS region 4 optimization using a lag of (using no seasonal indicator)**
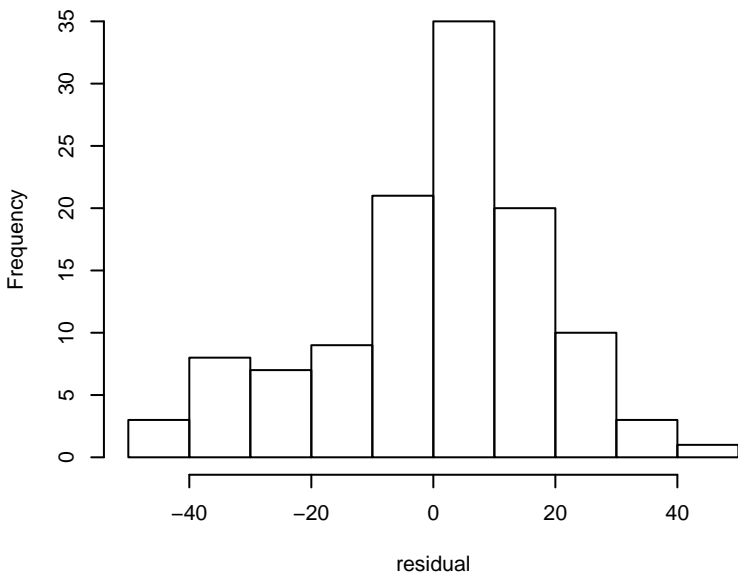
**Histogram of residuals for HHS region 5 optimization using a lag of (using no seasonal indicator**
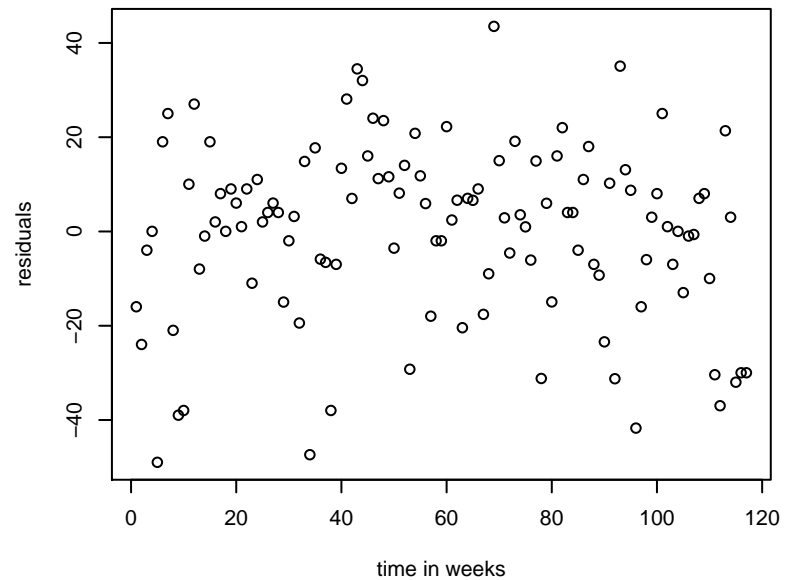
**Residuals for HHS region 5 optimization using a lag of (using no seasonal indicator)**
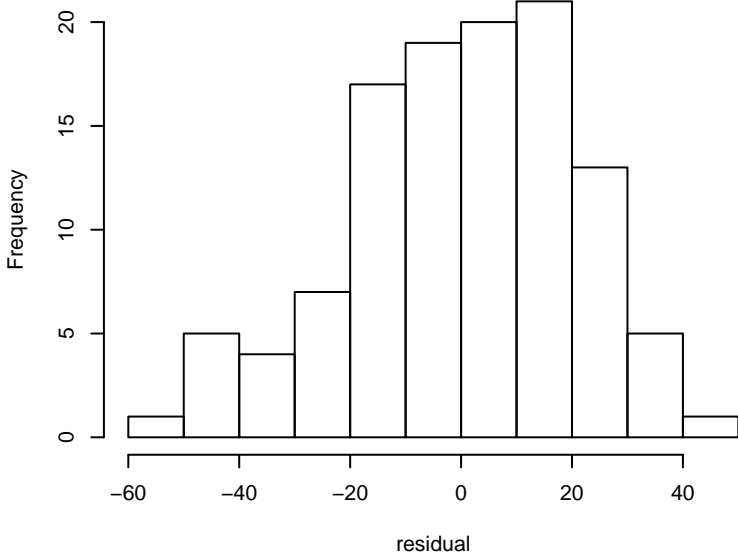
**Histogram of residuals for HHS region 6 optimization using a lag of (using no seasonal indicator**
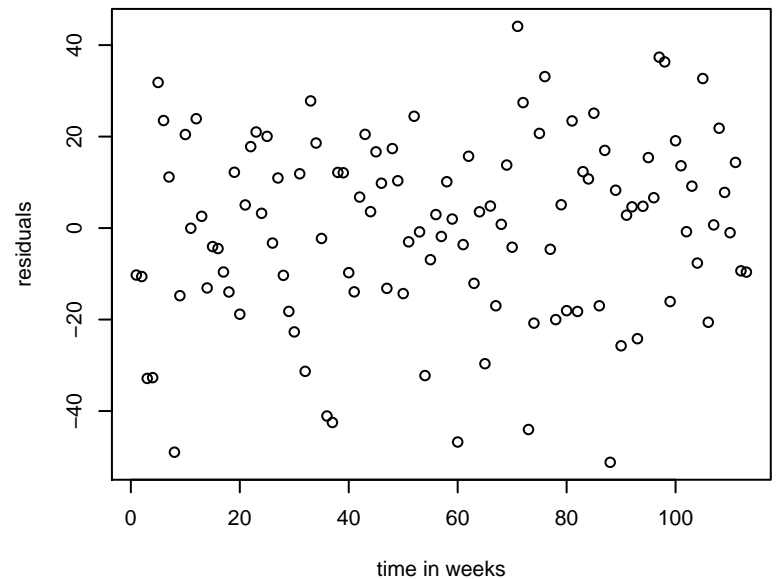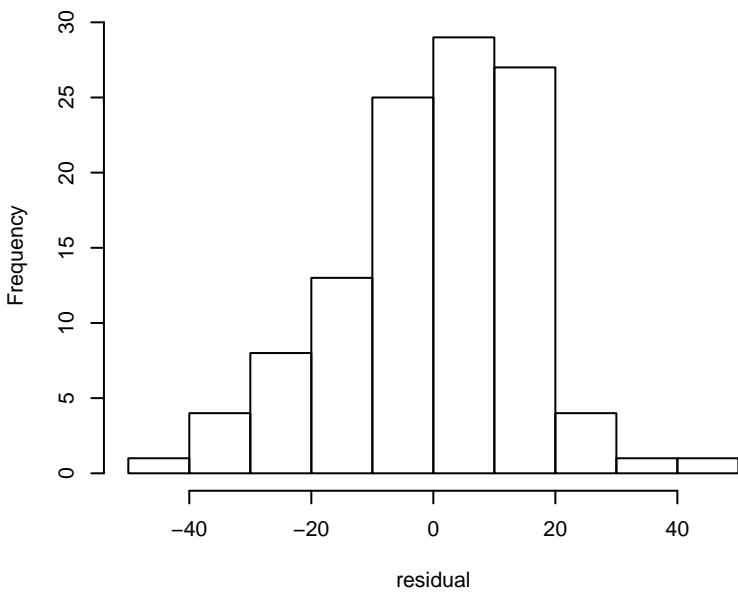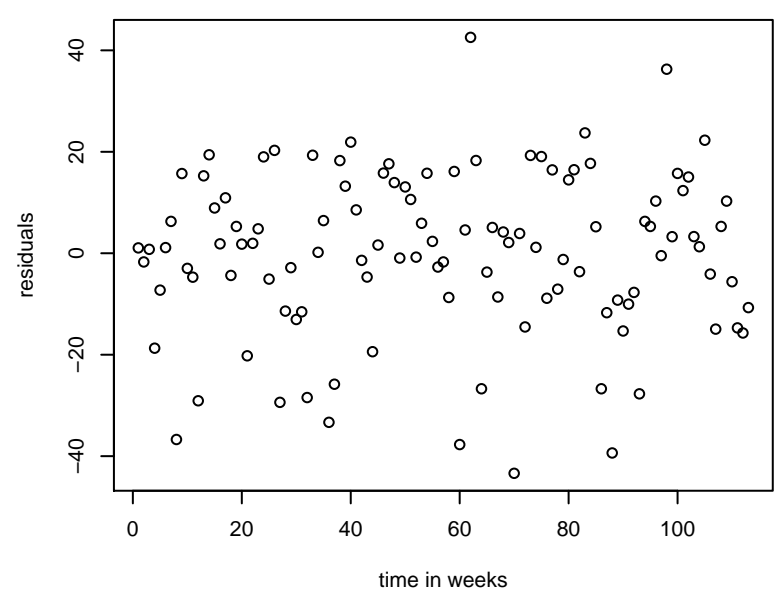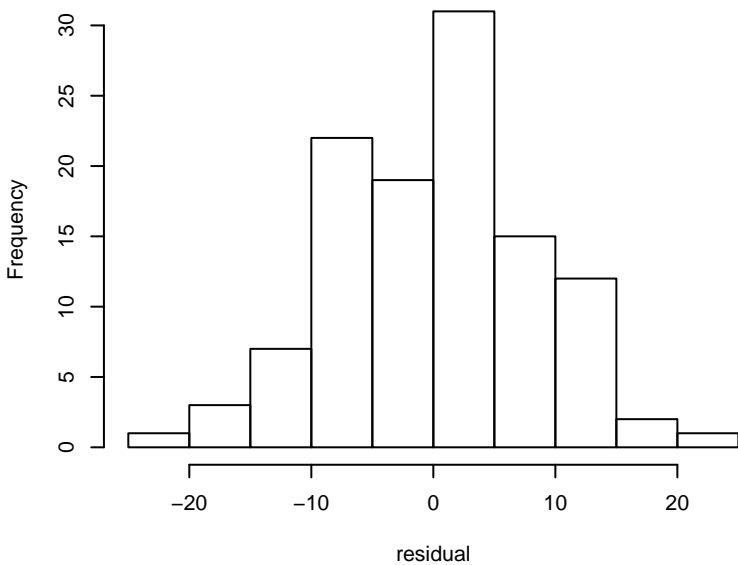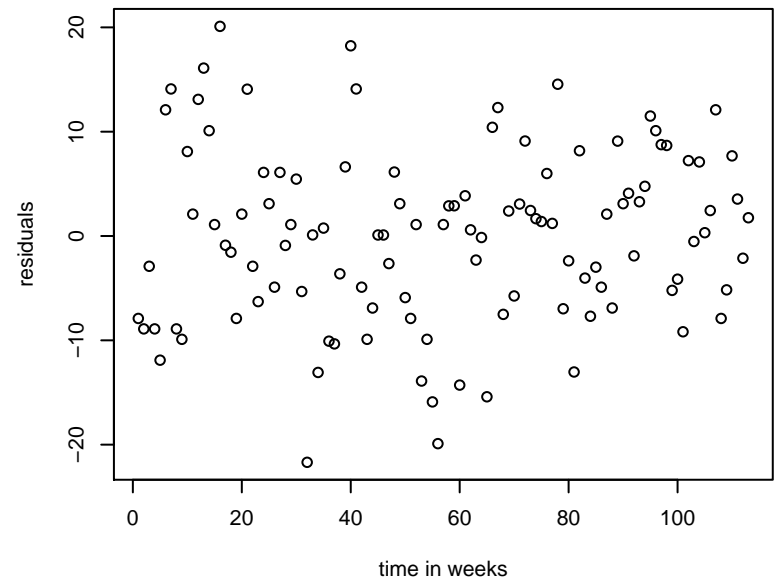
Frequency / residual

**Residuals for HHS region 6 optimization using a lag of (using no seasonal indicator)**

residuals / time in weeks

**Histogram of residuals for HHS region 7 optimization using a lag of (using no seasonal indicato**

Frequency / residual

**Residuals for HHS region 7 optimization using a lag of (using no seasonal indicator)**

residuals / time in weeks

**Histogram of residuals for HHS region 8 optimization using a lag of (using no seasonal indicato**

Frequency / residual

**Residuals for HHS region 8 optimization using a lag of (using no seasonal indicator)**

residuals / time in weeks

**Histogram of residuals for HHS region 9 optimization using a lag of (using no seasonal indicato**

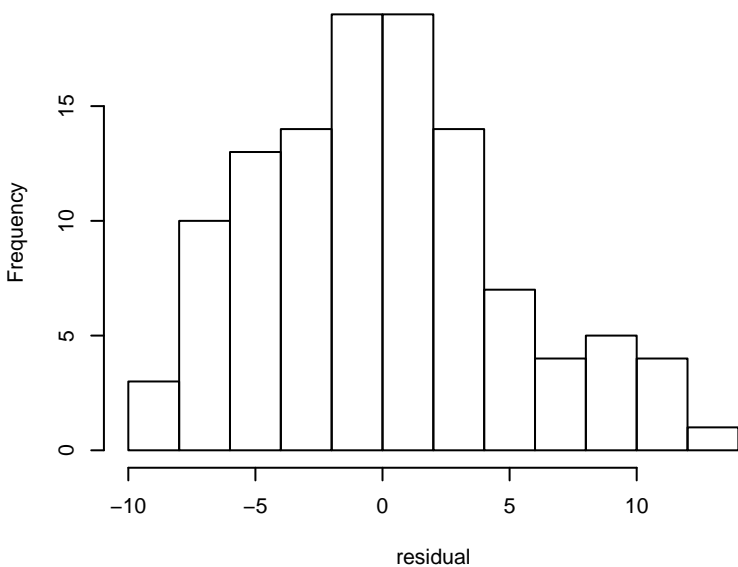**Residuals for HHS region 9 optimization using a lag of (using no seasonal indicator)**

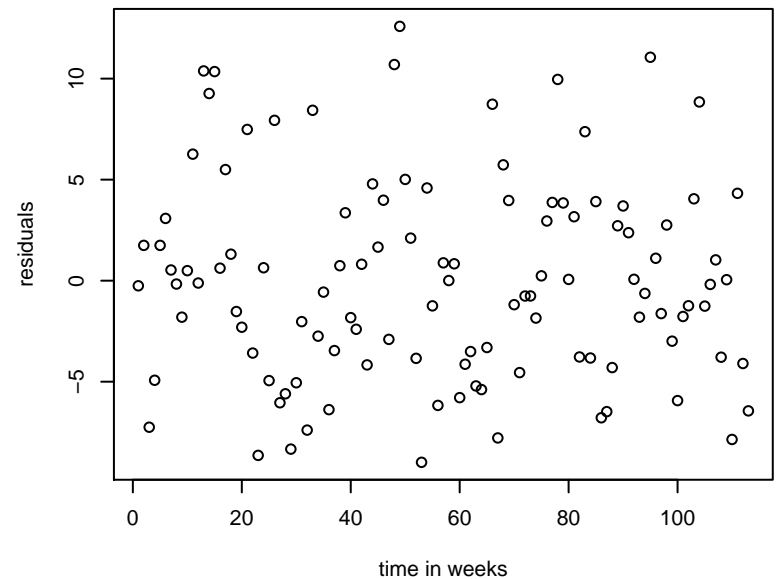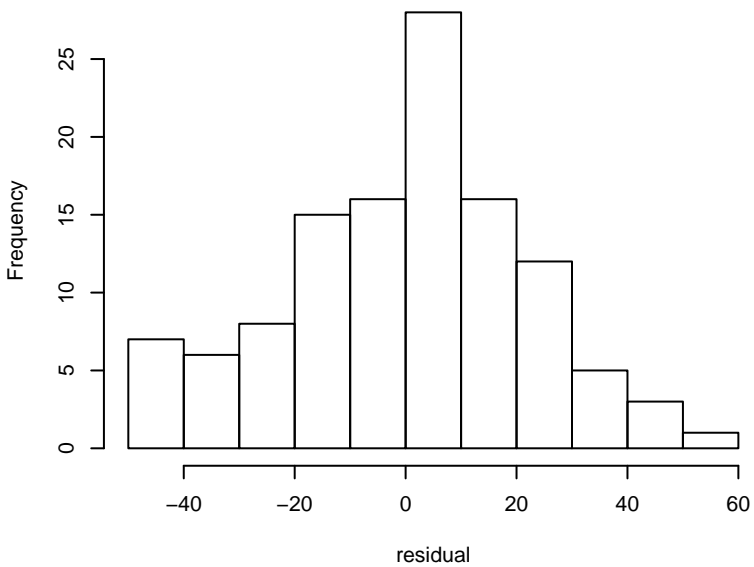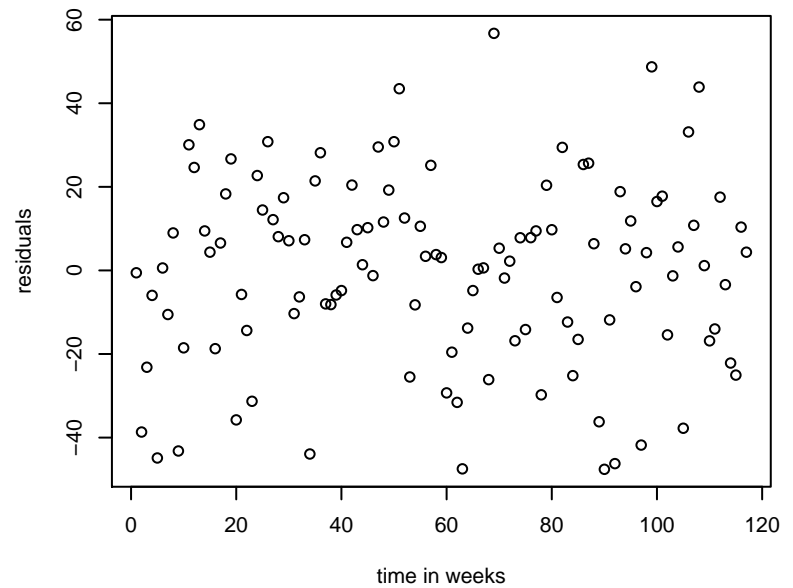**Histogram of residuals for HHS region 10 optimization using a lag of (using no seasonal indicato**

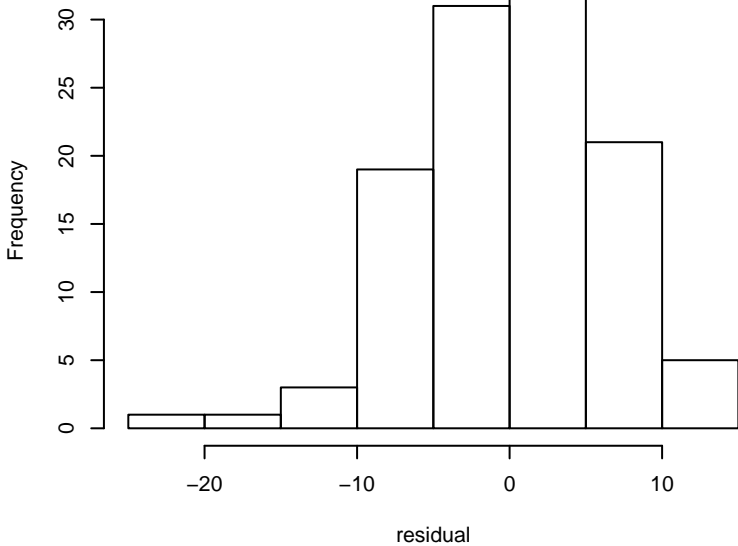**Residuals for HHS region 10 optimization using a lag of (using no seasonal indicator)**