diag0cnt() — Count zeros on diagonal					
Description	Syntax	Remarks and examples	Conformability	Diagnostics	Also see

# Description

diagOcnt(X) returns the number of principal diagonal elements of X that are 0.

### **Syntax**

real scalar diagOcnt(real matrix X)

#### **Remarks and examples**

diagOcnt() is often used after invsym() (see [M-5] invsym()) to count the number of columns omitted because of collinearity.

# Conformability

diagOcnt(X):  $X: \quad r \times c$  $result: \quad 1 \times 1$ 

## **Diagnostics**

diagOcnt(X) returns 0 if X is void.

#### Also see

[M-5] **invsym()** — Symmetric real matrix inversion

[M-4] Utility — Matrix utility functions

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