

```
> factanal(beardat,cov=cor(beardat),factors=2,rotation="none")
```

Call:

```
factanal(x = beardat, factors = 2, covmat = cor(beardat), rotation = "none")
```

Uniquenesses:

Head.L	Head.W	Neck.G	Length	Chest.G
0.128	0.346	0.019	0.005	0.110

Loadings:

	Factor1	Factor2
Head.L	0.930	
Head.W	0.728	0.353
Neck.G	0.911	0.388
Length	0.991	-0.111
Chest.G	0.920	0.207

	Factor1	Factor2
SS loadings	4.056	0.337
Proportion Var	0.811	0.067
Cumulative Var	0.811	0.879

The degrees of freedom for the model is 1 and the fit was 0.0021

```
> fitsummary(beardat,factanal(beardat,cov=cor(beardat),factors=2,rotation="none")$loadings)
```

\$errorvar

Head.L	Head.W	Neck.G	Length	Chest.G
0.1278	0.3457	0.0187	0.0050	0.1102

\$errorcov

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-0.0033	-0.0001	0.0000	0.0004	0.0001	0.0075

\$communality

Head.L	Head.W	Neck.G	Length	Chest.G
0.8722	0.6543	0.9813	0.9950	0.8898