

FAViR and Open Source Software

CAS Spring Meeting
May 15-18, 2011

Sample Slides



Prisoner's Dilemma

| | | Prisoner A | |
|------------|-----------|------------------------|------------------------|
| | | Cooperate | Defect |
| Prisoner B | Cooperate | A gets -2 B gets -2 | A gets 0 B gets -7 |
| | Defect | A gets -7 B gets 0 | A gets -5 B gets -5 |

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Prisoner's Dilemma for Public Goods

- 10 people
- Each gets 1 util of enjoyment per unit of good
- Each loses 2 utils of enjoyment per unit produced

Full Cooperation
10 units produced

Each Person:
+10 from good
-2 from the work
+8 total

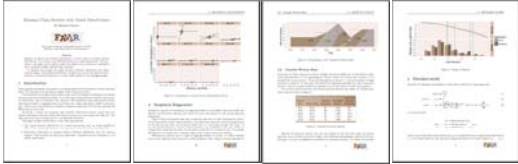
All Defect
0 units produced

Each Person:
+0 from good
-0 from the work
0 total

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FAViR: www.favir.net



- FAViR is a new project to help actuaries with R. It's a combination of
 - A peer reviewed journal where all papers are automatically produced with R
 - An R package (on CRAN as "favir") which allows authors to easily create standardized, polished papers such as those shown above.
- Project Goals:
 - Make it easy for actuaries to use and present advanced and modern techniques
 - Establish trustworthy repository of peer-reviewed actuarial R code

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