

(FRQRPLFV
2IILFH 5RRP

3URIHVVRU 'RQDOO
ZDOGPDQ#FRORU

&RXUVH ,QIRUPDWLRQ

:HOFRPH WR (FRQ 7KLV LV DGILW/DWELR/XULFN LQLSUKRDE
LQWURGXFWRQ WR HFRQRPHWULWRSLSFS/OQFDFWLRQ/CPM FZVC

3UHUHTXLVLWHV

7KH PRVW LPSRUWDQW ELDFWRU WRKLOV FWRUWK ILQNDIEEOWUDR
DGGLWLRQ VWXGHQWV ZLOO ILQHGUMWHDGILQJ RILDQWKHEU
OHYHO RI KLJK VFKRRO \$OJHEUDXQXVGSDBUHQWPLDDOOHQGU
WKLW FRXUVH EXW WKH\ ZLOO EHXULHQG W&DIOFRXOUKWHZLOO

7KH FRXUVH SUHJHTXLVLWHV DUH RI WKH IROORZLQJ
(& 21 DQG
0\$7+
0\$7+
0\$7+
0\$7+ DQG
\$330

,I \RX KDYH QRW WDNHQ RQH RI WKHVHZLOVKRWHW D\ZLFDH

,Q WKH ILUVW ZHHN RI FODVV

‡ 3OHDVH UH DG &DQLJOLD WKH FRXUVH WH[WERRN &K
‡ ,I \RX DUH QRW DOUHDG\ FRPIRLWREOMH ZLWK8QLFYUHW
D VLWH OLFHQVH WR WKH 06 211LHHSDFWDLVH RVRHQXLQ
LQ :LQGRZV 3&V DQG VRPH ODFV DQGLWQLWKHYBODEO
FRPSXWHU ODEV ,I \RX ZDQW KHFRSPS&WMDOORQRLW R
EXJEXVWHUV RU VHH

<http://www.colorado.edu/oit/services/messaging-collaboration/microsoft-office-365/help/proplus>

&RXUVH 2EMHFWLYHV

‡ 6WDWLWVLFV LV WKH VWXG\ RVLFDWRUWRXFDWQZR
WKDW LV VEMHFW WR UDQGRPQHVM LVKWRPDMQYHRMKNHF
ODQJXDJH PDWKHPDWLFDV\PERVDFWRROV DQG WHFK

‡ 6WDWLWVLFV LV WKH EXLOGLQHESSEINFWRHRRQRIPHV
U RI ÀÀ] Q€À•0:LQGKH V SEXJE RQD0`€00°

/HFWXUHV 5HFLWDWLRQ :RUN /RDG

7KHUH ZLOO EH WZR OHFWXUHV ZHHNORP PHHWLRQJ 7XHVG
S P LQ %(6& %HQVRQ (DUWK 6FLHQFHV URRP

,Q OHFWXUH , ZLOO FRYHU PRVW VEXWKHWHQV ERRWKHX
DGGLWLRQ VRPH WRSLFV WKDWHDW RQRUHQHDDWHIGV WKH
UHDGLQJ WKH WH[W EXW LW LV XERWHGM DLW D WODHS SORXVZ
HFRQRPLFV PFK EHWWHU E\ DWZHOGLQJOSHFXXUHQDV,Q
E\ EHLQJ SDUW RI WKHWRXSGXNDLQJRTXWUQJ ER ZRUNL
LQ OHFWXUH H[HUFLVHV DQG LQ RWKHU ZD\V

,Q DGGLWLRQ WR WKH OHFWXUH WRM VRORZGLQH UHFLWD

1XPEHU	'D\	7LPH	5RRP
7		2	+801
7		2	+106
7+		2	+801
7+		2	+801

,Q UHFLWDWLRQ PDWHULDO ZLOVEDHQSUSVREOHFH UHWHY
DGGLWLRQ ([FHO SURJUDPPLQJ DOWWRHLW ZLOOQEMHG U
RI WKH FRXUVH 7KHUH DUH PRUHLWVQRQ VWXGHQWV
WR OHDUQ RQH RQ RQH 6LQFH KRZ ERVUHFRPSHDURXUV
XVXDO WKUHH FUHGLW FRXUVH UHFLWDWLRQ DWWHQGDC

7R SDVV WKLW FRXUVH \RX PXVW DWWHQG DW OHDVV

,Q P\ H[SHULHQFH IRU D VWXGHQW ZLOO DYUDJH P
DGGLWLRQDO ~~Probability~~ WZR KRUV QGZRONERXW TXLU
DVVLJQPHQWV LQ RUGHU WR IXOOLXQSRXUVWDQGDVWVFR
IDLUO\ EDVLF FRQFHSWV EXW GRQWFRSHWXDQLDVBLVOD
PDWKHPDWLFDO ULJRU LQFUHDVH DV WKH VPHVWHU SUR

&RXUVH 2XWOLQH

7KH FRXUVH ~~Probability~~ ZLWK statistics FRQLQXHV ZLWK
econometrics DOO WHUPV WR EH GHILQH

7KH IROORZLQJ LV D OLVW RI VHWV IRUFRONVFRYHFLWGL
EH XVHIXO WR \RXUWRLQHWKZKWHWZDUDLVWDXKDWVHFRX
SUHYLRXVO\ EXW , H[SHFW LW ZLXOXDQVWVROGPHDC

Section 1

- ‡ 5HVHDFK LQ ³+DUG´ DQG ³6RIW VFLHQFHV
- ‡ 6XPPDWLRQ QRWDWLRQ
- ‡ ,QWURGXFWRQ WR SUREDELOLW\ \$[LRPV 9HQQ GLD.
- ‡ \$GGLWLRQ DQG FRPSOHPHQW UXOHV RI SUREDELOLW\
- ‡ &RQGLWLRQDO SUREDELOLW\
- ‡ 7UHH GLDJUDPV
- ‡ ,QGHSHQGQFH DQG PXWXDO H[FOXVLYLW\
- ‡ %D\HV ODZ
- ‡ 8UQ SUREOHPV
- ‡ %D\HV /DZ IRU SDUWLWLRQV

Section 2

- ‡ 5DQGRP YDULDEOHV DQG SUREDELOLW\ GLVWULEXWLRQ

‡ 'LVFUHWH UDQGRP YDULDEOHV WKH SUREDELOLW\ PD
‡ %HUQRXOOL ELQRPLDO DQG 3RLVVRQ UDQGRP YDULD
‡ 0DWKHPDWLFDQ H[SHFWDWLRQ
‡ ([SHFWDWLRQ RI D IXQFWLRQ RI UDQGRP YDULDEOHV
‡ &RQWLQXXV UDQGRP YDULDEOHV WKH SUREDELOLW\
‡ 7KH SRZHU H[SRQHQLDO DQG VWDQGDUG QRUPDO G
‡ %LYDULDWH PDUJLQDO DQG FRQGLWLRQDO GLVWULE
‡ &RQGLWLRQDO H[SHFWDWLRQ DQG YDULDQFH
‡ &RYDULDQFH DQG FRUHHODWLRQ

Section 3

‡ 7KH JHQHUDO QRUPDO GLVWULEXWLRQ
‡)URP SUREDELOLW\ WR VWDWLWLFV SRSXODWLRQ D
‡ 6DPSOLQJ WKHRU\ WKH GLVWULEXWLRQ RI WKH VDPS
‡ 7KH &HQWUDO /LPLW 7KRUHP
‡ 7KH FKL VTXDUHG GLVWULEXWLRQ
‡ 3RLQW HVWLPDWLRQ
‡ 8QELDVHGQHVV DV D SURSHUW\ RI DQ HVWLPDWRU

6LQFH WKHUH LV QR GLVN RU NHV RFR DXW O B FZL W KS W E Q V VE
VLQFH WKHUH LV RQO\ RQH HGLW DRQ ZDQR SXVHGKFRS H LW
EHHQ XVHG IRU W W B O G R X P H O X D R W H B Z H E T O L V W W H Y M E D V \$

7KH\ ZLOO EH FRPSRVHG RI TXHVWLRQV RI WKLW HDW HZ[HO
DGGLWLRQDO TXHVWLRQV

‡ 7KH ILQDO H[DP LV FXPXODWLYH WR EH JL\$HQ RQ 7X
\$GGLWLRQDO QRWHV RQ WKH SUREOHP VHVV

‡ <RX PXVW DQVZHU DOO H[HUFLVHV EXW QRW DOO ZLOO
‡ 2Q VRPH SUREOHP VHVV WKHUHU ZLOO DEOH FDQ (7KH
DUH WUXO\ H[WUD FUHGLW WKH FDQ RQ \ WKHL HQ GR RU W
ZLOO FDOFXODWH JUDGHV IRU HYMUD VWXGHQWS ZRWGRW
, ZLOO UHWXUQ WR P\ DVVHV VPHQW V SXHGHQWKH ZWRDQ
DQG DW OHDVW VRPHWLPHV VXFFHVMXODFDWOLHP SWRG

3SUREOHP VHVV DQG TXL] GHGOLQHVSRODGLQJ FHOO SKR

‡ /LNH PDQ\ FRXUVHV EXW XQOLNH FRXUVHV WKLV WRS
FRXUVH LV VHTXHQLDO LQ QDWLCHOHQW EM XQXQWBO
XQOHVV 7XHVGD\ V PDWHULDO KDV EXHQH PDWV G HGJ PDK
HDVLHU DQVZHUV WR TXL]]HV DQ SUREOHP OHDW BUOW
GDWH DQG WLPH 7KLV PHDQV VWUJ]FW GGG SOLRCH PRVH

‡ 7KH ORZHVW SUREOHP VHVV VFRUH GDRSSWGH OIRZHQV
WKLW SROLF\ WKH IDFW WKDW VROXWU RQKHZD OOL EQPSRW
DQG WKH LPSRUWDQFH RI NHHSLQQR SDVQ HSWHREDMF ULHM
TXL]]HV ZLOO EH DFFHSWHG

6XFFHVVIXO VWXGHQV HLQH QILUD ODXUR\ODRZHQ WHQLW UH
‡ UHYLHZ \RXU QRWHV VRPHWLPH DNRXUVODHFWXUH EXW
‡ ZRUN ILUVW RQ JDKE SUREOHP DNRXUVXUKXUV G DV WIVSHF
DSSOLHV WR VWXGHQWV ZLWK 7KXUVGD\ DIWHUQRRQ U
WDNH WKH RQOLQH WLPHG TXL] E\ 7XHGD\ V OHFWXUH
ILQLVK WKH SUREOHP VHVV E\ 7KXUVGD\ V OHFWXUH

1RWH \RX PD\ ZRUN WRJHWKHU RQ+ SUREOHP HDWKVW W XQH
PXVW KDQG LQ WKH ZULWWHQ SUREOHP VHVV VROXWLRQV

‡ &HOO SKRQH ODSWRS SROLF\
BB
Notice for students with disabilities

,I \RX TXDOLI\ IRU DFFRPPRGDWLRQV XEPDWWWRP B LOHD
IURP 'LVDELOLW\ 6HUFLFHV LQ D WLOHON DGGQHVVW W K D
'LVDELOLW\ 6HUFLFHV GHWHUPLQHVHDFGRFEGOMWLRQW E
&RQWDFW :LOODUG DQGLVZV HRYOLFHDGR ('8

