

OLFUR51\$ DQG *HQH ([SUHVVLRQ &KDQJHV LQ
/HXNRF\WHV \$ 6KRUW &RPPXQLFDWLRLQ

/LODFK 6RUHT

,QVWLWXWH RI 1HXURORJ\ 8QLYHUVLW\ &ROOHJH /RQGRQ /RQGRQ :& 1 %* 8QLWHG .LQJGRP
&RUUHVS RDQGMLQJU/LODFK 6RUHT ,QVWLWXWH RI 1HXURORJ\ 8QLYHUVLW\ &ROOPDIIORQ GVRQH/RDQD:& XIN
5HFHLYHG XQ 0DQXFULSW 1R -\$13WRU DVVLJQG 3UH4& 1R -\$'3 5HYL3HZHG-XQ 4& 1R
-\$'3 5HYLVHG -XQ 0DQXFULSW 1BXE\$13VKHGXO 5 '2,
&LWDV6IRRQH T OLFUR51\$ GHQ H[SUHVVLRQ JIHDUNLQVLRQ PDWPHW L%QDR/RHOKNRF\\$VHHR &RPPXQLFD\$QJRHKLPHUV 'LV
3DUNLQVRLVP

&RS\ULJKW 6RUHT 7KLVVDQRSHQ DFBHWWIGLOHV U XEQGNNMUGW HURVWK&UHDWLHYH &RPPWUQZLXFWHLQRQH LFSKHUPLWV
XQUHVWUL6WNGUVEKWLRLQ DQG UHSURGXFWLRQ LQ DQ\ PHGLXP SURYLGHG WKH RULJLQDO DXWKRU DQG

\$EVWUDFW

3DUNLQVRQ¶V GLVHDVH KDV LQFUHDVLQJ SUHYDOHQFH ZRUOGZLGH 6HYHUDO
GLVHDVH VR IDU H J 3DUN 61&\$ 0\$37 3,1. DV ZHOO DV VHYHUDO PROHFXODU

.H\ZRUG%VORRG 0HQWDO GLVRVWHBXOD\WHSQ EUDLQ
/HXFRF\WHV 3DUNLQVRQ¶V GLVHDVH OLFURDUUD\V 51\$ 6HT
\$EEUHYLD%&RQHHS %UDLQ 6WLPX*OOWQOBQ %* %DVDO
671 6XE 7KDODPLF 1XFOHXV 3' 3DUNLQVRQ¶V 'LVHDVH

'HVFULSWLRQ

3DUNLQVRQ¶V GLVHDVH 3' LV D GHYDVWDWLHYH PRWRU GLVHDVH ZLWK QR
FXUUHQW HDUO\ GHWHFWLRQ RU HIIHFHWLYH WUHDWPHQW PHWKRGV ,W LV D
SUHYDOHQW PXOWLIDFHWHG QHXURGHJHQHUDWLHYH GLVHDVH FDXVHG E\ PRVWD
XQNQRZQ IDFWRUV +RZHYHU WKUH DUH PDQ\ SRVWXODWHG
SDWKRSK\VLRORJLFDO K\SRWKHVHV WR H[SODLQ LW 7KH '\$ SRSXODWLRQ RI
61SF LV DIIHFHWG E\ 3' %\ WKH WLPH RI GLVHDVH GLDJQRVLV WKH PDIplI€ pD& F
VWXGLHV RI SDWLHQW¶V EORRG OHXNRF\WHV SULRU WR DQG IROORZLQJ 'HHS
%UDLQ 6WLPXODWLRQ '%6 WUHDWPHQW FDQ UHYHDO LPSRUWDQW PROHFXODU
FKDQJHV LQ SDWLHQW¶V JHQH H[SUHVVLRQ SDWWHUQV LQFOXGLQJ RI FRGLQJ DC
QRQ FRGLQJ 51\$V 7KH GDWD FDQ EH JHQHUDWHG XVLQJ PLFURDUUD\V RU
51\$ 6HT LQFOXGLQJ VLQJOH FHOO 51\$ 6HT +HUUH ZH FRPPHQW RQ RXU
UHFHQW VWXGLHV UHODWHG WR WKLV VXEMHFW KLJKOLJKWLQJ WKH LPSRUWDQ

PLFUR51\$ DUUD\V H[SUHVVLRQ GDWD IURP SDWLHQWV DQG DJH DQG
JHQGHU PDWFKLQJ FRQWURO YROXQWHHUV , LVRODWHG OHXNRF\WHV IURP

& RQFOXVLRQ

6RUHT%HQ 6KDXO < ,VUDHO = %HUIPDQ +
DQDO\VLV RI JHQHWLF DQG HQYLURQPHQWD

51\$ 6HT VWXGLHV RI 3' SDWLHQWV EORRIGRPOPHQNURFO W\RV PKWJRKFRBQIGWLDMK SURWH
LPSRUWDQFH RI GLVHDVH VWXGLHV LQ WKH KRSR IRU IXWXUH LGHQWLILFDWLRQ
IXUWKHU JHQHV DQG SDWKZD\V LQYROYH GRUHT WKH QHQLVHODVH ,VJXDWXOUH VVXHGLHV
PD\ HQWDKUHJSDWLHQW FRKRUW DQG DSSDOWHQDOWLPHOOS@45L@H TD\QUDWLRQV
DGYDQFHG FRPSXWDWLRQDO ELRLQIRUPDWLHQHVV WR DQDO\VH WKH GDWD
3DQNUDW] 1 1LFKROV :& 8QLDFNH 6. +DO

\$FNQRZOHGJHPHQW

, WKDQN 3URI +DJDL %HUIPDQ WKH +HEUHZ XQ1 YHUVLW\ RI -HUXVDOHP
,VUDHO 3URI +HUPRQD 6RUHT +HEUHZ 6RUHT / 6DORPRQLV 1 *XIIDQWL \$ %HUIPD
DQG 'U =YL ,VUDHO +DGDVVVDK IDFXOWWUDQFLQH 51\$ 5HJXHQLQJ GDWD IUR
VXSHUYLVLRQ GXULQJ P\ 3K '

\$XWKRU & RQWULEXWLRQV

/LODFK 6RUHT ZURWH DQG SUHSDUHG WKFRPISDXUH ZLWK FRQWURO GRQRUV *HQRP'DWD

& RQIOLFW RI ,QWHUHVW

1RQH GHFODUHG

5HIHUGHQFHV

3DQNUDW] 1 1LFKROV :& 8QLDFNH 6. +DOWHU & 5XGROSK \$ HW DO
*HQRPH VFUHHQ WR LGHQWLIV VXVFHSWLELOLW\ JHQHV IRU 3DUNLQVRQ
GLVHDVH LQ D VDPSOH ZLWKRXW SDUNLQ PXWDWLRQV \$P - +XP *HQHW