

P  
 @OE  
 @OE  
 \*P  
 L \*F O  
 K O K ( C ( ? %  
 ( \*B  
 , \*10( -\*2(. \*72( 0\* , ! %  
 , (-.( / B P  
 @DN- P= E ( J  
 ? ( QC=% - - 9 0, ( 9  
 . , , 4 %= , \*10( -\*2(. \*72( 0\* , !  
 1, -- / 3\* ( 40\*-( . , 2\*0( 0/0\*2 L ( )  
 \*= .2  
 S @ P \*O  
 R -R O  
 P R-ROP% ( % ( )  
 O ( B \*-%  
 I ( \*  
 @OE )  
 B \*-%  
 @OE )  
 \*P

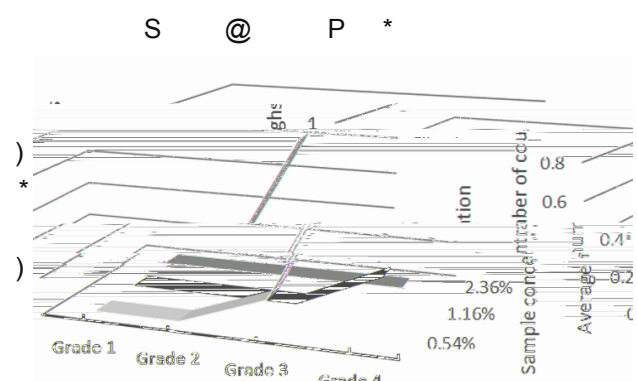
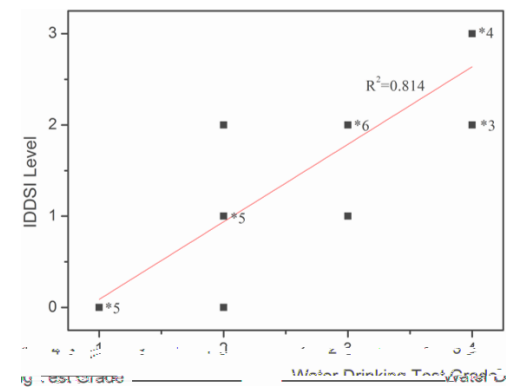
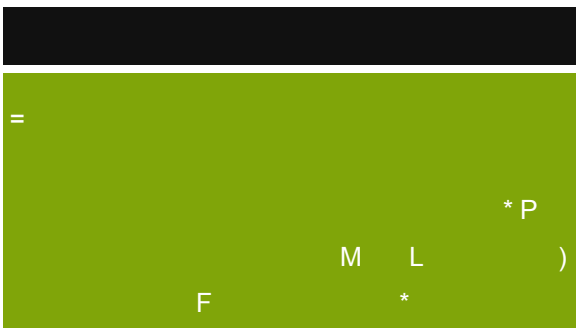
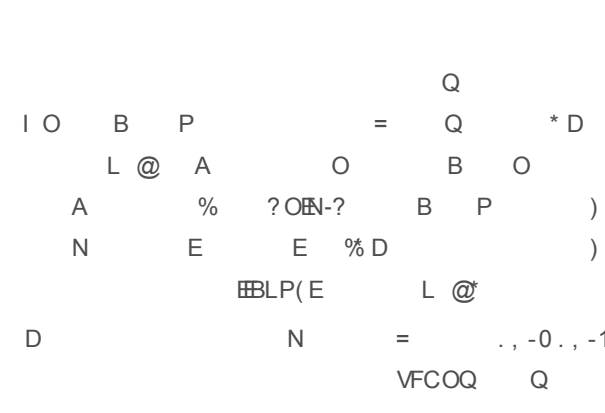
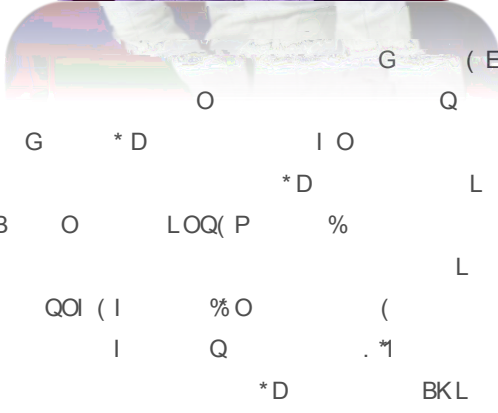
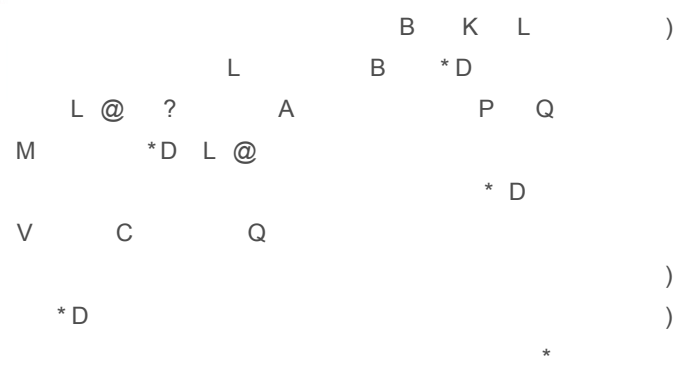
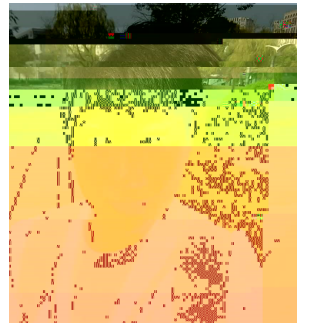
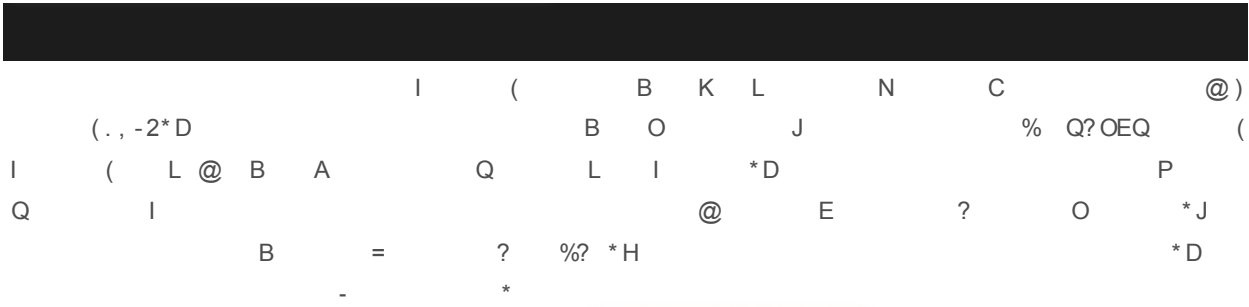
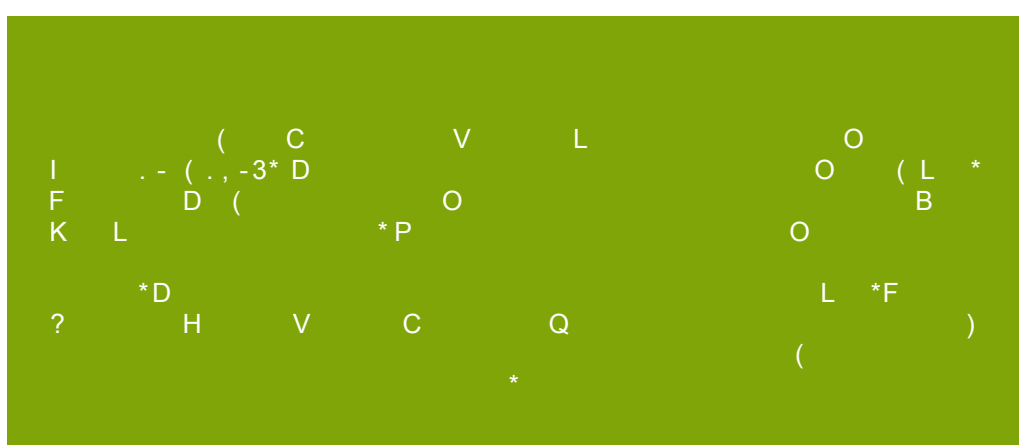


Figure 1: Coughing number w  
 20ml samples for patients at different grades  
 as assessed by the Water Drinking Test.



@\*N A Q H (QG @ , -2 \*  
 @\*L T (O I = Q J V % I -3 \* )  
 @\*D C Q = 2 @ (QG Q Q (P J % \* )  
 @\*O L M Q = % = -3 -4 \*O  
 @\*? N \*?



L  
J D ( O F  
D @ U @  
@\* N 3 (., -2( )  
Q H A  
\* QG

P  
\*P )  
6 )

( )  
\*  
= @ O E @ )  
? ( )  
? )  
D G ( I P  
( L \* ?

\*P )  
L \* ?

\*P  
\* L \*  
? )  
\*

P BKL

Q J \*E (



K ( )  
 ? O ? ? S  
 Q N ? S QN% J \*  
 F \*O E G Q )  
 \*E  
 E E  
 \*  
 ( ( )  
 ( P O B J ( I )  
 Q I ? L J \*

• J - \*J Q ? B O  
 -3--4 (., -3(D (? \*  
 (= O I ? )  
 ( Q H (= 4--- (., -4(H (QG\*  
 (Q J (F --  
 0 (., -4(J (QG\*

P AOE )  
 ., -26  
 • P 6? ( B M  
 L (04(/01-/14\*  
 • P 6 (@ ( )  
 /, (. -2\*

A 6 < \* \* ( < \* \* \*  
 P 6, , %2 13- . 4, , 45, 0  
 B 6, , %2 13- . 4, , 45, ,  
 S 6 6 \* \* \* \* 9--24  
 //3" 0.1(BKL H (O B O ( )  
 -4T O (F @ (V C Q (D (/., -4(?DB=  
 A 6 \* 10< \*



• V (C\*(O (I \*(H(V\*" ? (F& ., -3% )  
 \* @ ( )  
 • O (I \*(V (C\*(O (F\*(H\*V\*" ? (F\* ., -3% ?  
 @ @ O E \*F P O ( )  
 • S (T\*&" ? (F\* ., -3%B \*? K ? E )  
 O (.4(. -/, \*  
 • I (?\*&" ? (F\* ., -3%B - 6 )  
 \*P B O P \*  
 =  
 • O (O\*(Q (N\*( D\*" ? (F& ., -3% )  
 O \*F P O (-(-3\* @KB  
 -, \*--- \*-.. 22\*  
 • ? (D\*" ? (F& ., -3%N \* ( )  
 \*  
 • H (V\*( ? (F& " D (I \* ., -3%D \*F P  
 O ( )  
 • H (H\*(= (P\*(A (N\*(D (I \*" ? (F& ., -3% \*F  
 L  
 • P O ( )  
 • H (H\*( (N\*( ? (F\*(O (= & ., -2% ( )  
 J 6B  
 \*F  
 P O (03(0-/0-.. \* @KB-, \*--- \*-.. -5, \*  
 • ? (F\*U\*(H (L\*(O ( ? 1 \*(D ( ? ? (F\*(  
 @ (N\*(\*( @ (F\*(G (F\*(H ( ? \*(I (F\*(  
 L (I \*(N (H\*" O (O\* ., -2% @

@ @ E \* @ (@KE-, \*, , 3 , , 011-, -2-5314- \*  
 • I (?\*&" ? (F\* ., -3%K \*A N I A \*  
 H\* @ %A \*  
 • = (P\*(Q (N\*( ? (F\* ., -3%K \*E K I I \*C\*  
 ? A %  
 • H (H\*(O (= " ? (F\* ., -3% A \*E J B B )  
 D = \*N\*S A %A \*