

ภาคผนวก จ

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โดยการเปรียบเทียบค่าสถิติที่คำนวณได้กับค่าวิกฤติ

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#include<stdio.h>

int main(int argc,char **argv)
{
    FILE *fin,*fout;
    char in[] = "./output/output111.dat";
    char out[] = "./output/output111.data";
    char file[20];
    char data[20],value[20] ;
    char p1[10][20],p2[10][20];
    int i,j,istart,istop,jstart,jstop,count,w1_count,w2_count,w3_count,za_count,zc_count;
    int num;
    float za,zc,f2[10],f,new_za;

    if( argc != 2)
    {
        printf("Enter Cage Tool\n");
        exit();
    }

    istart = atoi(argv[1]);
    istop = atoi(argv[1]);
    jstart = 1;
    jstop = 500;
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num = (jstop - jstart) + 1;
za = 1.102;
zc = 4.33;
printf("Za : %f\n",za);
printf("Zc : %f\n",zc);

w1_count = 0;
w2_count = 0;
w3_count = 0;
za_count = 0;
zc_count = 0;

for(i=istart; i<=istop; i++)
{
    sprintf(out,"./%d/result_%d",i,i);
    printf("%s\n",out);

    if ( (fout = fopen(out,"w")) == NULL )
    {
        fprintf(stderr,"Can't Open File : %s For write\n",out);
        exit();
    }

    for(j=jstart; j<=jstop; j++)
    {
        sprintf(in,"./%d/new_za/b%d_%d.dat",i,i,j);
        printf("File : %s\n",in);
        if( (fin = fopen(in,"r")) == NULL )
        {
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    fprintf(stderr,"Can't Open File : %s For Read\n",in);
    exit();
}
sprintf(file,"%d_%d.dat",i,j);
fprintf(fout,"File Name : %s\n",file);
count = 0;
while(fscanf(fin,"%s : %f",&data,&f) != EOF)
{
/*    printf("%s : %s\n",data,value);*/
/*    fprintf(fout,"%s : %s\n",data,value);*/
/*    printf("%d\n",count);*/
    strcpy(p1[count],data);
    f2[count] = f;
    count++;
}
fclose(fin);

/*    printf("W1 : %f , W1[95] : %f\n",f2[0],f2[5]);*/
if(f2[0] >= f2[5])
{
    fprintf(fout,"%s : %6.3ft%s : %6.3ftNo\n",p1[0],f2[0],p1[5],f2[5]);
    w1_count++;
}
else
{
    fprintf(fout,"%s : %6.3ft%s : %6.3ftYes\n",p1[0],f2[0],p1[5],f2[5]);
}

/*    printf("W2 : %f , W2[95] : %f\n",f2[1],f2[6]); */

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if( f2[1] >= f2[6] )
{
    fprintf(fout,"%s : %6.3ft%s : %6.3ftNo\n",p1[1],f2[1],p1[6],f2[6]);
    w2_count++;
}
else
{
    fprintf(fout,"%s : %6.3ft%s : %6.3ftYes\n",p1[1],f2[1],p1[6],f2[6]);
}
/* printf("W3 : %f , W3[95] : %fn",f2[2],f2[7]);*/
if( f2[2] >= f2[7] )
{
    fprintf(fout,"%s : %6.3ft%s : %6.3ftNo\n",p1[2],f2[2],p1[7],f2[7]);
    w3_count++;
}
else
{
    fprintf(fout,"%s : %6.3ft%s : %6.3ftYes\n",p1[2],f2[2],p1[7],f2[7]);
}
/* printf("Za : %f , za : %fn",f2[3],za);*/
/* if( f2[3] >= za )*/
new_z = ( f2[3] * 10 ) - 32;
if( new_z >= za )
{
    fprintf(fout,"%s : %6.3ftZ_A : %6.3ftNo\n",p1[3],new_z,za);
    za_count++;
}
else
{

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        fprintf(fout,"%s : %6.3ftZ_A : %6.3ftYes\n",p1[3],new_za,za);
    }
/* printf("Zc : %6.3f , zc : %6.3f\n",f2[4],zc);*/
    if (f2[4] >= zc)
    {
        fprintf(fout,"%s : %6.3ftZ_C : %6.3ftNo\n",p1[4],f2[4],zc);
        zc_count++;
    }
    else
    {
        fprintf(fout,"%s : %6.3ftZ_C : %6.3ftYes\n",p1[4],f2[4],zc);
    }
    fprintf(fout,"\n");
}
fprintf(fout,"*****\n");
fprintf(fout,"W1[No] : %d\tW1[Yes] : %d\n",w1_count,(num-w1_count));
fprintf(fout,"W2[No] : %d\tW2[Yes] : %d\n",w2_count,(num-w2_count));
fprintf(fout,"W3[No] : %d\tW3[Yes] : %d\n",w3_count,(num-w3_count));
fprintf(fout,"Za[No] : %d\tZa[Yes] : %d\n",za_count,(num-za_count));
fprintf(fout,"Zc[No] : %d\tZc[Yes] : %d\n",zc_count,(num-zc_count));

fclose(fout);
}
}

```