A definitive study of the sizes of documents in the ERIC Data Base is reported by the ERIC Processing and Reference Facility. This is a statistical and frequency distribution study encompassing every item in the file whose record contains pagination data in machine readable form. The study provides pagination data that could be used by present and future EDRS contractors and bidders and, since it is one of the few such comprehensive analyses ever performed on a data base of this size, it provides useful data for the entire information science community. The 36,314 records analyzed constitute virtually the complete ERIC Data Base through June 1971. The data are displayed in two formats: Tables and Graphs. The raw data from which these displays were developed were obtained from detailed computer printouts. (Author/NH)
ERIC DATA BASE

PAGINATION FIELD

FREQUENCY DISTRIBUTION ANALYSIS

Contract OEC-0-70-1494, Amendment #6

Final Report on Task 7

November 1971
(Revised)

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11. " (Level II)
12. " (Level III)
13. " (Level I and II)
14. " (Level I, II, and III)
15. 1971 (Level I)
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I. INTRODUCTION

One of the more interesting analytical tasks performed by the Facility in 1971 was that concerned with doing a detailed study of the sizes of documents in the ERIC data base.

This topic had arisen earlier in the year in connection with the letting of the contract for the ERIC Document Reproduction Service (EDRS). It was discovered that there was little definitive information which could be given to prospective bidders on which they could base their cost calculations. A few analyses based on samples had been done but these had not allowed for complexities such as: (1) variation over time, i.e., 1967 being different from 1970; (2) variation by type of availability, i.e., Level I documents being different from Level III; (3) variation by different type of average, i.e., mean being different from median or mode. Just about the only useful piece of data that had come from previous samplings was that everybody agreed the average (mean) document size was somewhere around 70 pages.

It was decided by Central ERIC, therefore, that a definitive study should be made of the sizes of documents in the ERIC data base. This would not be a sample; it would be a statistical and frequency distribution study encompassing every item on the file whose record contained pagination data in machine-readable form. It would settle the size question once and for all; it would provide pagination data that could be used by present and future EDRS contractors and bidders; and it would be one of the few such comprehensive analyses ever performed on a data base of this size, and in that sense would be useful data for the entire information science community.

II. STATEMENT OF WORK

With the above considerations in mind, the following Statement of Work was added to the ERIC Facility contract:


Write, compile, test, de-bug and run computer programs to analyze the pagination field in all ED accessions in the data base to determine frequency of occurrence of reports of all sizes (number of pages). Prepare graphic reports in the general format of Attachment I on segments of the file as follows:


(b) By Type - For each period listed in (a) above, display pagination frequency for Level I, Level II, Level III, Levels I and II, and total (Levels I, II, III).  

*Level I = MF & HC; Level II = MF Only; Level III = Not Available from EDRS
II. STATEMENT OF WORK (CONTINUED)

(c) Calculations - For each of the five (5) curves displayed for each period, calculate and specify:

(1) **Mean** - Absolute Average, Total pages divided by total documents.

(2) **Median** - 50th percentile point (half the documents are larger, half are smaller).

(3) **Mode** - Location of the highest point of the curve.

III. METHODOLOGY

A. **ED Range Analyzed**

The ED range analyzed was that which applies to Research in Education. It extends from ED-010000, the first number in the first issue of RIE (November 1966), to ED-048516, the last number in the June 1971 RIE.

It was decided not to analyze the early non-RIE collections, e.g., Disadvantaged (ED-001001 - 002740 = 1,740 accessions) and Research Reports 1956-1965 (ED-002747 - 003960 = 1,214 accessions) for the following reasons:

1. The Disadvantaged collection is a specialized collection of documents and does not cover the entire spectrum of the literature as does RIE. It may, therefore, be atypical in certain respects, including possibly pagination, and should not be included for this reason.

2. The pre-RIE records are less reliable in their content and format than RIE records, having been converted from some earlier machine-readable format. They present more problems to the program (variables and special cases) than the RIE records and would result in a higher percentage of exception records (printed out by the program as unprocessable).

3. The focus of the study is RIE. It would provide a more concise and more easily remembered explanation if one could state that the study simply covers RIE 1966-1971.

It should be said, however, that the pagination analysis programs could easily be run against this early non-RIE data (2,954 accessions) should one desire at any time in the future to do so. We merely felt that for purposes of this study there was adequate justification for excluding them.
III. METHODOLOGY (CONTINUED)

B. Accessions Analyzed

Between ED-010000 and ED-048516 there are a theoretical total of 38,516 records that could have been considered for statistical analysis. The actual number of records that were considered by the programs was 36,314. The 2,202 RIE records that were not considered consist of the following kinds of records:

1. AIM and ARM Collections - These items consist of collections of documents under one ED number. These collections sometime amount to hundreds of documents with total paginations up to 24,000 pages. If included they would have artificially and wrongfully skewed the distribution and the averages to a significant extent.

2. Non-Print Items - records, tapes, films, etc. There are very few such items in the ERIC data base. Where they appear they generally lack pagination data.

3. Accessions Bearing No Pagination Data

These are relatively rare in all years except 1968 when there appears to have been a policy of not paginating Level III documents. No Level III documents in 1968 have pagination data in their records. This is the largest category of documents not analyzed, comprising over 90% of the total amount not considered.

4. Accessions Bearing Garbled Pagination Data

The pagination data in ERIC records appears in the Descriptive Note field. Other types of data may also appear in this field. When this occurs the data fields are separated by a semi-colon. In order to zero in on the pagination figure and to distinguish it from the other data in the field it was necessary to test for a distinguishing characteristic. This characteristic was the 'p.' which generally appears after the numeric pagination value. In some few cases no 'p.' existed; either one or both of the characters were missing. A record containing this flaw was printed out as an exception record and was not analyzed. These were relatively few compared to the accessions bearing no pagination data.
III. METHODOLOGY (CONTINUED)

B. Accessions Analyzed (Continued)

5. Accessions Missing From the File

The count of 1968 records on the ERIC Resume Master File turned out to be 15 less than what it should theoretically have been, indicating 15 missing records. All other years checked out exactly. This validation of file content was an unexpected dividend of the pagination analysis work.

In summary, of the 38,516 records that we theoretically started with, a total of 2,202 (or 5%) were eliminated as "defective" in the various ways enumerated above, and were not permitted to impact the statistics presented in the tables and graphs of this report. The vast majority of the "defective" records were 1968 Level III documents, containing no pagination data to analyze.

The 36,314 records analyzed constitute virtually the complete ERIC Data Base through June 1971 and are obviously more than a sufficient base from which to draw generalizations.

C. Data Display

The data which constitute this report are displayed in two formats: Tables and Graphs, in order to accommodate the varying preferences of the many different individuals who will be making use of the figures. The Tables support the Graphs in the sense that they present many of the specific numbers represented by points on the graph lines. The Graphs support the Tables in the sense that they show, in one easily grasped picture, what the numbers are doing, how they are moving, what the trends are, etc. Behind both Tables and Graphs are the detailed computer printouts representing the raw data from which both displays were developed. The computer printouts will be maintained in storage indefinitely in order to obviate the need to ever run again the early part of the file. It is envisaged that future runs will probably be made at the end of each year to cover that year.

1. Tables

The Tables are all arranged in the same basic matrix format. Down the left hand side there are arranged the various "Levels", i.e., I, II, III, I and II (the "availables"), I and II and III (the composite). Across the top are arranged the various types of averages, i.e., mode, mean,
III. **METHODOLOGY (CONTINUED)**

C. **Data Display (Continued)**

1. **Tables (Continued)**

   median. Also provided are figures for the total number of documents at the mode value, the total documents at each "Level", and the total pages at each "Level". In other words, virtually everything that anyone could ask about pagination has been presented.

   There are tables for each calendar year and each page is labeled with the accession range that occurred in that year. Because of the small number of documents announced in 1966 (two RIE issues), 1966 and 1967 data were grouped together. A super-composite table, covering the years 1966-1971 (June), presents the data for the entire 36,314 records analyzed, and is, in effect, all the other tables combined into one.

2. **Graphs**

   Each Table has its corresponding graph. It was found that each graph falls off very rapidly toward zero after you pass 220 pages, but each graph also strings out in very attenuated fashion up to some very high page values. For example, the 1970 distribution ranges from 1 - 3261 pages but 88.95 percent of the documents are below 220 pages. This presented a problem in display, as the horizontal axis threatened to completely dominate the vertical axis. Since after 220 pages the graph lines are all essentially flat and "hugging" the horizontal axis, it was finally decided to stop each graph at that value and provide the percentile reached at that point. This treatment would allow reasonable pagination ranges to be used on the horizontal axis and prevent a compression effect to the left that would have made the graphs much less meaningful and informative. To demonstrate the effect of this kind of distribution on a display, we then decided to do one graph that would encompass the entire pagination range of a given period of time without truncation. We decided upon the two most recent full years, 1969 - 1970. It is easy to see, from an examination of this last graph, why the decision to stop the regular graphs at 220 pages was a reasonable compromise.

   In addition to its basic curve, each graph comes equipped with a small inset table summarizing the most significant values shown on the graph. This table also presents the pagination range dealt with by the graph and calculates the 75% percentile and the percentile at 220 pages, where the graph truncates. These inset tables will in almost all cases make it unnecessary to refer back to the "Table Only" section.
III. METHODOLOGY (CONTINUED)

C. Data Display (Continued)

2. Graphs (Continued)

Vertical lines have been drawn on each graph representing the range mode, the mean, the median (50th percentile), and the 75th percentile. A word is perhaps in order concerning the range mode. The mode is that page value that is most frequently represented in the collection. We call this the "individual mode." Since, however, for graphing purposes it was necessary to select pagination ranges to plot points against (rather than having each individual page value represented on the horizontal axis), we ended up with a pagination range that was the most frequently represented in the collection. We called this the "range mode." In the vast majority of cases the individual mode fell within the range mode, but not always. For example, in 1970 the overall individual mode was 10 pages (where there were 212 documents). However, the range mode worked out to be 11-20 pages. This is a minor irritant however, for it takes very little work with these tables and graphs to become convinced that the mode is probably the least useful of the averages calculated. It is of curiosity value only, for instance, that in all the graphs there was only one bi-modal distribution. 1971 Level III documents had two individual modes: 21-30 pages and 121-130 pages, each range having 65 documents representing it.

D. Special Microfiche Analysis

The median for the combined group of EDRS-available documents (Level I and II) is surprisingly low (39). This suggests that an unexpectedly large number of ERIC documents will fit on one fiche and raises the interesting question of the relationship between reduction ratio (i.e., in effect the number of pages that will fit on one fiche) and the percentage of the collection that will fit on one fiche. We have not explored this subject completely but have restricted ourselves to calculating exactly what percentile of the ERIC collection it is that will fit on one fiche, two fiche, three fiche, etc., at the existing reduction ratio. The special Table presenting this data is organized on the vertical axis by "cards/pages", i.e., 1 microfiche bearing documents 1-57 pages in size, 2 microfiche bearing documents 58-127 pages in size, etc., and across the horizontal axis by year and then by number of documents at each card/pages level (with running cumulative percentages). The far right columns present the composite values for 1966-1971.

This table, and its associated graph, undoubtedly has the most to say to the EDRS contractor. From this data, for example, it can be seen that 61.82% of the total EDRS-available documents will fit on
III. METHODOLOGY (CONTINUED)

D. Special Microfiche Analysis (Cont.)

one fiche; 83.50% of the total EDRS-available documents will fit on two fiche or less, and so on. By six fiche the graph is essentially on a plateau as only 1.57% of the documents require more than six fiche.

As byproducts of the special microfiche analysis, a table has been prepared listing all documents in the data base over 1,000 pages in size, and a graph has been prepared subdividing each year's accessions by 'Availability Level', i.e., Level I, II, or III.

IV. OBSERVATIONS AND CONCLUSIONS

Each statistician will have his own set of observations about the data revealed in this report. The data is now available for many analyses and extrapolations. We feel that study of this data will cause many useful facts to emerge.

Since the task of this study was simply to obtain the data and to present it in frequency distribution format, we have carefully restrained our strong desire to generalize. Nevertheless, some basic observations are in order:

Mean - The earlier ideas about the nature of the mean are pretty well born out. For documents that are available from EDRS in hard copy (Level I), it is around 70 pages (1968 = 70, 1969 = 75, 1970 = 68, 1971 = 68). For documents that are available only in microfiche (Level II), however, it goes up sharply (1968 = 135, 1969 = 115, 1970 = 110, 1971 = 104). For documents that are not available at all from EDRS (Level III) the rise is even farther (1968 = 215, 1969 = 152, 1970 = 174, 1971 = 180).

Shape of Curve - The distribution is not a normal or bell-shaped distribution. It is greatly elongated to the right hand side. Some elongation was suspected but the extent of it came as a surprise. The effect of it is, of course, to pull the median and the mean away from the mode. The mean is much more affected by the presence of large "giant" documents than is the median, and is pulled far to the right as a result.

Mode - The smallness of the mode value was surprising to us. We anticipated a value closer to 50 pages, but the mode is almost universally in the 11-20 range. As we said before, the general peak of the curve (or range mode) is interesting but the individual mode is one of the least interesting and most "accidental" figures.
IV. OBSERVATIONS AND CONCLUSIONS (CONTINUED)

Median - The median was also smaller than we had originally anticipated. For Level I documents it runs around 35 pages (1968 = 36, 1969 = 38, 1970 = 34, 1971 = 36). For Level II documents it generally runs just over 60 pages (1968 = 76, 1969 = 68, 1970 = 55, 1971 = 60). When these figures are combined (1968 = 38, 1969 = 40, 1970 = 37, 1971 = 39), the median for the combined group of EDRS-available documents is surprising low, around 39 pages. It is the median, and its associated percentile figures that have been converted into the "special microfiche analysis" and that have the most to say to the EDRS contractor.

In closing we would like to suggest that the next logical extension of this investigation is to match its data against order data from EDRS. Are the document orders equally spread (i.e., normally distributed) across the documents available, or do they restrict themselves to certain sizes and therefore price ranges?
### FREQUENCY DISTRIBUTION REPORT TOTALS

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**ACCESSION NUMBER RANGE:** ED010000-ED012348

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*TABLE 3*
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## Frequency Distribution Report Totals

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**Notes:**
- CARDS/PAGES: Number of documents per carner.
- NO. OF DOCS: Number of documents.
- PERCENT: Percentage of total.
- CUM. DOCS.: Cumulative documents.
- CUM. PERCENT: Cumulative percentage.

**Total:**
- NO. OF DOCS.
- PERCENT
- CUM. DOCS.
- CUM. PERCENT

**Level:**
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15 & Over

**Table:**
- 1966-1967
- 1968
- 1969
- 1970
- 1971
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TABLE 10

EDRS - AVAILABLE DOCUMENTS OVER 1,000 PAGES*

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1966 - 67 ACCESSIONS

LEVELS I (MF & HC) **

TOTAL DOCUMENTS*.................. 2,206
TOTAL PAGES .................. 199,031
PAGINATION RANGE .................. 4 - 3141
MEAN (Absolute Average) ......... 90
MEDIAN (50th Percentile) ........... 49
INDIVIDUAL MODE
(Most Frequent Pagination) ....... 14
(Mode Population) ................ 44
RANGE MODE
(Most Populous Range) ............ 11 - 20
(Mode Population) ................ 349

*Excludes AIM/ARM Collections, nonprint media, etc.

**Level II has only 4 documents; Level III generally not paginated; so these were not graphed.
### 1968 Accessions

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*Excludes AIM/ARM Collections, nonprint media, etc.

**Level III not paginated. No graph.
### ERIC DATA BASE PAGINATION FIELD ANALYSIS

#### 1968 ACCESSIONS

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#### RANGE MODE

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*Excludes AIM/ARM Collections, nonprint media, etc.
ERIC DATA BASE PAGINATION FIELD ANALYSIS

1968 ACCESSIONS

LEVEL(S) I & II

TOTAL DOCUMENTS* 6,842
TOTAL PAGES 501,666
PAGINATION RANGE 1 - 3069
MEAN (Absolute Average) 72
MEDIAN (50th Percentile) 38
INDIVIDUAL MODE
(Most Frequent Pagination) 16
(Mode Population) 150
RANGE MODE
(Most Populous Range) 11 - 20
(Mode Population) 1,215

*Excludes AIM/ARM Collections, nonprint media, etc.

**Level III not paginated. No graph.
1989 ACCESSIONS

LEVEL(S) I (MF & HC)
TOTAL DOCUMENTS*..................7,592
TOTAL PAGES .....................570,102
PAGINATION RANGE ..................1-2,943
MEAN (Absolute Average) ..........75
MEDIAN (50th Percentile) ..........38
INDIVIDUAL MODE
(Most Frequent Pagination) ........14
(Mode Population) ..................168
RANGE MODE
(Most Populous Range) .............11-20
(Mode Population) ..................1,393

*Excludes AIM/ARN Collections, nonprint media, etc.
1969 ACCESSIONS

LEVEL(S) II (MF Only)

TOTAL DOCUMENTS* 624
TOTAL PAGES 70,374
PAGINATION RANGE 4 - 2,412
MEAN (Absolute Average) 113
MEDIAN (50th Percentile) 88

INDIVIDUAL MODE
(Most Frequent Pagination) 38
(Mode Population) 13

RANGE MODE
(Most Populous Range) 11 - 20
(Mode Population) 87

*Excludes AIM/ARM Collections, nonprint media, etc.
1969  ACCESSIONS

LEVELS II (Non-EDRS)

TOTAL DOCUMENTS*.......................... 2,091
TOTAL PAGES .................................. 316,906
PAGINATION RANGE ....................... 2 - 1,575

MEAN (Absolute Average).............. 152
MEDIAN (50th Percentile) .............. 127

INDIVIDUAL MODE
(Most Frequent Pagination) ........ 4

(Mode Population) ..................... 35

RANGE MODE
(Most Populous Range) .............. 1 - 10

(Mode Population) .................... 207

*Excludes AIM/ARM Collections, nonprint media, etc.

76.52%
ERIC DATA BASE PAGINATION FIELD ANALYSIS

1969 ACCESSIONS

LEVEL(S) I & II

TOTAL DOCUMENTS*.......................... 8,216
TOTAL PAGES ................................ 640,476
PAGINATION RANGE ...................... 1 - 2,943
MEAN (Absolute Average) ............. 78
MEDIAN (50th Percentile) .............. 40
INDIVIDUAL MODE
(Most Frequent Pagination) ............ 14
(Mode Population) .................... 170
RANGE MODE
(Most Populous Range) ............... 11 - 20
(Mode Population) .................... 1,480

*Excludes AIM/ARM Collections, nonprint media, etc.
1969 ACCESSIONS

LEVEL(S)  I, II & III
TOTAL DOCUMENTS*  10,307
TOTAL PAGES  957,382
PAGINATION RANGE  1 - 2,943
MEAN (Absolute Average)  83
MEDIAN (50th Percentile)  48
INDIVIDUAL MODE
(Most Frequent Pagination)  7
(Mode Population)  188
RANGE MODE
(Most Populous Range)  11 - 20
(Mode Population)  1,604

*Excludes AIM/ARM Collections, nonprint media, etc.
ERIC DATA BASE PAGINATION FIELD ANALYSIS

1970 

ACCESSIONS

LEVEL(S): I (MF & HC)

TOTAL DOCUMENTS* .................. 7,204
TOTAL PAGES .......................... 486,884
PAGINATION RANGE .................... 1 - 3,261
MEAN (Absolute Average) .......... 68
MEDIAN (50th Percentile) .......... 34

INDIVIDUAL MODE
(Most Frequent Pagination) ...... 10
(Mode Population) ................. 179

RANGE MODE
(Most Populous Range) .......... 11 - 20
(Mode Population) ................. 1,432

* Excludes AIM/ARM Collections, nonprint media, etc.
ERI C DATA BASE PAGINATION FIELD ANALYSIS

1970 ACCESSIONS

LEVELS  II (MF Only)

TOTAL DOCUMENTS* ..............1,213
TOTAL PAGES ......................131,233
PAGINATION RANGE ..........3 - 3,245
MEAN (Absolute Average) ..........108
MEDIAN (50th Percentile) ..........55
INDIVIDUAL MODE
(Most Frequent Pagination) ..........24
(Mode Population) ................20
RANGE MODE
(Most Populous Range) ..........11 - 20
(Mode Population) ...............138

*Excludes AIM/ARM Collections, nonprint media, etc.

GRAPH II
1970 ACCESSIONS

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| RANGE MODE (Most Populous Range) | 11 - 20 |
| (Mode Population) | 119 |

*Excludes AIM/ARN Collections, nonprint media, etc.

**GRAPH 12**

---

**DOCUMENT POPULATION**

**RANGE MODE**

**1970 ACCESSIONS**

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| RANGE MODE (Most Populous Range) | 11 - 20 |
| (Mode Population) | 119 |

*Excludes AIM/ARN Collections, nonprint media, etc.
ERIC DATA BASE PAGINATION FIELD ANALYSIS

1970 ACCESSIONS

LEVEL(S) I & II

TOTAL DOCUMENTS* .......... 8,417
TOTAL PAGES .................. 618,117
PAGINATION RANGE .......... 1 - 3,261
MEAN (Absolute Average) ......... 73
MEDIAN (50th Percentile) .......... 37
INDIVIDUAL MODE
(Most Frequent Pagination) ....... 10
(Mode Population) .............. 196
RANGE MODE
(Most Populous Range) .......... 11 - 20
(Mode Population) .............. 1,568

*Excludes AIM/ARM Collections, nonprint media, etc.

93.24%
ERIC DATA BASE PAGINATION FIELD ANALYSIS

1970 ACCESSIONS

LEVEL(S)  I, II & III

TOTAL DOCUMENTS*  10,421
TOTAL PAGES  967,678
PAGINATION RANGE  1 - 3,261
MEAN (Absolute Average)  93
MEDIAN (50th Percentile)  46
INDIVIDUAL MODE
(Most Frequent Pagination)  10
(Mode Population)  212
RANGE MODE
(Most Populous Range)  11 - 20
(Mode Population)  1,587

*Excludes AIM/ARM Collections, nonprint media, etc.
1971 ACCESSIONS

LEVEL(S) (MF & HC)
TOTAL DOCUMENTS*..........................4,444
TOTAL PAGES ..................................302,351
PAGINATION RANGE ..........................1 - 1,371
MEAN (Absolute Average) ..................68
MEDIAN (50th Percentile) .................36
INDIVIDUAL MODE
(Most Frequent Pagination) .............13
(Mode Population) .........................119
RANGE MODE
(Most Populous Range) ..................11 - 20
(Mode Population) .........................918

*Excludes AIM/ARM Collections, nonprint media, etc.

**January to June Only.
1971 ** ACCESSIONS

LEVEL(S) II (MF Only)

TOTAL DOCUMENTS* .................. 627
TOTAL PAGES .................. 65,020
PAGINATION RANGE .................. 1 - 845
MEAN (Absolute Average) .................. 104
MEDIAN (50th Percentile) .................. 60
INDIVIDUAL MODE
(Most Frequent Pagination) .................. 8
(Mode Population) .................. 12
RANGE MODE
(Most Populous Range) .................. 11 - 20
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*Excludes AIM/ARM Collections, nonprint media, etc.

**January to June Only.
### 1971 ** ACCESSIONS

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</tr>
<tr>
<td><strong>Mode Population</strong></td>
<td>65, 65</td>
</tr>
</tbody>
</table>

*Excludes AIM/ARM Collections, nonprint media, etc.

**January to June Only.
**Bimodal

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**RANGE MODES**

**MEDIAN**

**MEAN** 74.04%
ERIC DATA BASE PAGINATION FIELD ANALYSIS

1971 ** ACCESSIONS

LEVEL(S) (I & II)

TOTAL DOCUMENTS* .......................... 5,071
TOTAL PAGES ................................. 367,371
PAGINATION RANGE ............................ 1 - 1,771
MEAN (Absolute Average) ..................... 72
MEDIAN (50th Percentile) ..................... 39
INDIVIDUAL MODE
(Most Frequent Pagination) ................. 13
(Mode Population) ......................... 124
RANGE MODE
(Most Populous Range) ....................... 11 - 20
(Mode Population) ......................... 997

*Excludes AIM/ARIM Collections, nonprint media, etc.

**January to June Only.
**1971 accessing**

**Level(s)**: I, II & III

- Total Documents*: 6,431
- Total Pages: 611,616
- Pagination Range: 1 - 2,206
- Mean (Absolute Average): 95
- Median (50th Percentile): 50

**Individual Mode**

- (Most Frequent Pagination): 13
- (Mode Population): 127

**Range Mode**

- (Most Populous Range): 11 - 20
- (Mode Population): 1,061

*Excludes AIM/ARM collections, nonprint media, etc.

**January to June Only.**
ERIC DATA BASE PAGINATION FIELD ANALYSIS

1966 - 1971** ACCESSIONS

LEVEL(S) I (MF & HC)

TOTAL DOCUMENTS* ................. 28,114
TOTAL PAGES .................. 2,023,018
PAGINATION RANGE .............. 1 - 3,261

MEAN (Absolute Average) ........... 72
MEDIAN (50th Percentile) ......... 37

INDIVIDUAL MODE
(Most Frequent Pagination) ....... 11

(Mode Population) ............... 602

RANGE MODE
(Most Populous Range) .......... 11 - 20

(Mode Population) ............... 5,293

*Excludes AIM/ARM Collections, nonprint media, etc.
**Through June 1971
1966 - 1971***ACCESSIONS

LEVEL(S) II (MF Only)

| TOTAL DOCUMENTS*          | 2,742 |
| TOTAL PAGES               | 303,996 |
| PAGINATION RANGE          | 1 - 3,245 |
| MEAN (Absolute Average)   | 111 |
| MEDIAN (50th Percentile)  | 61 |
| INDIVIDUAL MODE           | 24 |
| (Most Frequent Pagination)|     |
| (Mode Population)         | 44 |
| RANGE MODE                | 11 - 20 |
| (Most Populous Range)     | 206 |
| (Mode Population)         |     |

*Excludes AIM/ARM Collections, nonprint media, etc.
**Through June 1971
ERIC DATA BASE PAGINATION FIELD ANALYSIS

1966 - 1971** ACCESSIONS

LEVEL(S) I & II

TOTAL DOCUMENTS* .................................. 30,856
TOTAL PAGES ........................................... 2,327,014
PAGINATION RANGE ................................ 1 - 3,261
MEAN (Absolute Average) .......................... 75
MEDIAN (50th Percentile) ......................... 39
INDIVIDUAL MODE
(Most Frequent Pagination) ....................... 11
(Mode Population) .................................. 625
RANGE MODE
(Most Populous Range) ........................... 11 - 20
(Mode Population) ................................. 5,589

*Excludes AIM/ARM Collections, nonprint media, etc.
**Through June 1971
1969-70 Accessions

Levels I, II & III

- Total Documents*: 29,732
- Total Pages: 1,925,069
- Pagination Range: 1-3.26
- Mean (Absolute Average): 93
- Median (6th Percentile): 47

Individual Mode
- Most Frequent Pagination: 14
- Mode Population: 385

Range Mode
- Most Positive Range: 11-20
- Mode Population: 3,291

*Excludes AVIMARM Collections, nonprint media, etc.


**Graph 24:**

Percentage of Total EDRS-Available Documents (Levels I and II) vs. Number of Fiche

- Number of Fiche: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- Percentage: 61.82, 83.50, 91.65, 95.32, 97.36, 98.43, 98.96, 99.49, 99.64, 99.73, 99.80, 99.83, 99.86

**ERIC Data Base**

Pagination Field Analysis

Microfiche Required for EDRS-Available Documents (Levels I and II)