



introduction to

DATA MINING

SECOND EDITION

Pang-Ning Tan

Michael Steinbach

Anuj Karpatne

Vipin Kumar



[Introduction To Data Mining Vipin Kumar Pdf Download](#)

S Ashworth



Introduction To Data Mining Vipin Kumar Pdf Download:

Right here, we have countless ebook **Introduction To Data Mining Vipin Kumar Pdf Download** and collections to check out. We additionally offer variant types and with type of the books to browse. The customary book, fiction, history, novel, scientific research, as with ease as various new sorts of books are readily comprehensible here.

As this Introduction To Data Mining Vipin Kumar Pdf Download, it ends going on physical one of the favored ebook Introduction To Data Mining Vipin Kumar Pdf Download collections that we have. This is why you remain in the best website to look the incredible ebook to have.

<https://matrix.jamesarcher.co/data/uploaded-files/Documents/Paranormal%20Romance%20Series%20Illustrated%20Guide.pdf>

Table of Contents Introduction To Data Mining Vipin Kumar Pdf Download

1. Understanding the eBook Introduction To Data Mining Vipin Kumar Pdf Download
 - The Rise of Digital Reading Introduction To Data Mining Vipin Kumar Pdf Download
 - Advantages of eBooks Over Traditional Books
2. Identifying Introduction To Data Mining Vipin Kumar Pdf Download
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Introduction To Data Mining Vipin Kumar Pdf Download
 - User-Friendly Interface
4. Exploring eBook Recommendations from Introduction To Data Mining Vipin Kumar Pdf Download
 - Personalized Recommendations
 - Introduction To Data Mining Vipin Kumar Pdf Download User Reviews and Ratings
 - Introduction To Data Mining Vipin Kumar Pdf Download and Bestseller Lists

5. Accessing Introduction To Data Mining Vipin Kumar Pdf Download Free and Paid eBooks
 - Introduction To Data Mining Vipin Kumar Pdf Download Public Domain eBooks
 - Introduction To Data Mining Vipin Kumar Pdf Download eBook Subscription Services
 - Introduction To Data Mining Vipin Kumar Pdf Download Budget-Friendly Options
6. Navigating Introduction To Data Mining Vipin Kumar Pdf Download eBook Formats
 - ePub, PDF, MOBI, and More
 - Introduction To Data Mining Vipin Kumar Pdf Download Compatibility with Devices
 - Introduction To Data Mining Vipin Kumar Pdf Download Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Introduction To Data Mining Vipin Kumar Pdf Download
 - Highlighting and Note-Taking Introduction To Data Mining Vipin Kumar Pdf Download
 - Interactive Elements Introduction To Data Mining Vipin Kumar Pdf Download
8. Staying Engaged with Introduction To Data Mining Vipin Kumar Pdf Download
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Introduction To Data Mining Vipin Kumar Pdf Download
9. Balancing eBooks and Physical Books Introduction To Data Mining Vipin Kumar Pdf Download
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Introduction To Data Mining Vipin Kumar Pdf Download
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Introduction To Data Mining Vipin Kumar Pdf Download
 - Setting Reading Goals Introduction To Data Mining Vipin Kumar Pdf Download
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Introduction To Data Mining Vipin Kumar Pdf Download
 - Fact-Checking eBook Content of Introduction To Data Mining Vipin Kumar Pdf Download
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Introduction To Data Mining Vipin Kumar Pdf Download Introduction

Introduction To Data Mining Vipin Kumar Pdf Download Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Introduction To Data Mining Vipin Kumar Pdf Download Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Introduction To Data Mining Vipin Kumar Pdf Download : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Introduction To Data Mining Vipin Kumar Pdf Download : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Introduction To Data Mining Vipin Kumar Pdf Download Offers a diverse range of free eBooks across various genres. Introduction To Data Mining Vipin Kumar Pdf Download Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Introduction To Data Mining Vipin Kumar Pdf Download Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Introduction To Data Mining Vipin Kumar Pdf Download, especially related to Introduction To Data Mining Vipin Kumar Pdf Download, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Introduction To Data Mining Vipin Kumar Pdf Download, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Introduction To Data Mining Vipin Kumar Pdf Download books or magazines might include. Look for these in online stores or libraries. Remember that while Introduction To Data Mining Vipin Kumar Pdf Download, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Introduction To Data Mining Vipin Kumar Pdf Download eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors

provide excerpts or short stories for free on their websites. While this might not be the Introduction To Data Mining Vipin Kumar Pdf Download full book , it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Introduction To Data Mining Vipin Kumar Pdf Download eBooks, including some popular titles.

FAQs About Introduction To Data Mining Vipin Kumar Pdf Download Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Introduction To Data Mining Vipin Kumar Pdf Download is one of the best book in our library for free trial. We provide copy of Introduction To Data Mining Vipin Kumar Pdf Download in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Introduction To Data Mining Vipin Kumar Pdf Download. Where to download Introduction To Data Mining Vipin Kumar Pdf Download online for free? Are you looking for Introduction To Data Mining Vipin Kumar Pdf Download PDF? This is definitely going to save you time and cash in something you should think about.

Find Introduction To Data Mining Vipin Kumar Pdf Download :

[paranormal romance series illustrated guide](#)

[science experiments children novel](#)

[fairy tale retelling kids stories](#)

[coloring activity book illustrated guide](#)

[manual book children bedtime story](#)

[phonics practice guide award winning](#)

[primer romantasy saga](#)

mindfulness meditation how to

investing simplified stories

[AI in everyday life complete workbook](#)

[ultimate guide home DIY manual](#)

[paranormal romance series quick start](#)

[habit building planner illustrated guide](#)

painting techniques manual novel

[advanced strategies math workbook grade 1](#)

Introduction To Data Mining Vipin Kumar Pdf Download :

battlefield of the mind study study joyce meyer ministries - Oct 08 2023

web battlefield of the mind study sign up now a war is raging and your mind is the battlefield if you ve ever dealt with things like worry doubt confusion depression anger condemnation you ve experienced firsthand the attacks in your mind

battlefield of the mind winning the battle in your min - Jan 31 2023

web jan 1 2000 joyce meyer 4 56 509 ratings16 reviews in celebration of selling 3 million copies faithwords is publishing a special updated edition of battlefield of the mind worry doubt confusion depression anger and feelings of condemnation all these are attacks on the mind if readers suffer from negative thoughts they can take heart

battlefield of the mind joyce meyer youtube - Sep 07 2023

web apr 30 2023 battlefield of the mind joyce meyer get rid of your stinkin thinking you have a responsibility to cast down wrong thoughts and replace them with what god says

battlefield of the mind quotes by joyce meyer goodreads - Feb 17 2022

web 226 likes like trust and faith bring joy to life and help relationships grow to their maximum potential joyce meyer battlefield of the mind winning the battle in your mind tags faith relationships suspicion trust 132 likes like some people think they have discernment when actually they are just suspicious

[battlefield of the mind by joyce meyer goodreads](#) - Apr 02 2023

web apr 19 2022 rate this book in celebration of selling 3 million copies faithwords is publishing a special edition of battlefield of the mind worry doubt confusion depression anger and feelings of condemnation all these are attacks on the mind if readers suffer from negative thoughts they can take heart

battlefield of the mind winning the battle in your mind google - Jun 04 2023

web mar 25 2008 joyce meyer teaches how to deal with thousands of thoughts that people think every day and how to focus the mind the way god thinks and she shares the trials tragedies and ultimate

battlefield of the mind summary joyce meyer - May 23 2022

web nov 7 2023 description in a world constantly bombarding us with negative thoughts and distractions joyce meyer s battlefield of the mind provides a powerful guide to help navigate the struggles within our own minds

battlefield of the mind updated edition joyce meyer ministries - Nov 28 2022

web battlefield of the mind updated edition 16 99 add to cart description features details worry confusion anger depression if any of these are a constant companion in your life there s a battle going on in your mind you re not alone though and the war isn t lost god wants to fight this for you and this book will teach you to

joyce meyer battlefield of the mind power thoughts m - Jul 25 2022

web jan 4 2018 joyce meyer 4 38 21 ratings3 reviews battlefield of the mind joyce shares the trials tragedies and ultimate victories from her own marriage family and ministry that have led her to amazing life transforming truth and reveals her thoughts and feelings every step of the way

battlefield of the mind study content - Aug 26 2022

web the mind is the battlefield it is a vital necessity that we line up our thoughts with god s thoughts this is a process that will take time and study don t ever give up because little by little you are changing the more you change your mind for the better the more your life will also change for the better

battlefield of the mind winning the battle in your mind meyer joyce - Sep 26 2022

web through joyce meyer ministries joyce teaches on a number of topics with a particular focus on how the word of god applies to our everyday lives her candid communication style allows her to share openly and practically about her experiences so others can apply what she has learned to their lives

battlefield of the mind updated edition by joyce meyer goodreads - Oct 28 2022

web jan 1 2001 72 876 ratings1 616 reviews worry doubt confusion depression anger and feelings of condemnation all these are attacks on the mind if readers suffer from negative thoughts they can take heart joyce meyer has helped millions win these all

part 10 battlefield of the mind study joyce meyer ministries - Dec 30 2022

web don t give up whether you ve already seen incredible breakthrough in your thought life or you still have a long way to go don t give up because no matter how bad things may seem it is possible to regain the territory the enemy has taken from you if necessary regain it one inch at a time always leaning on god s grace and not your own

joyce meyer the battlefield of the mind youtube - Apr 21 2022

web dec 3 2019 joyce meyer the battlefield of the mind blessedven sy 159 subscribers subscribe 506 share 23k views 3 years ago joyce explains how important it is to know

battlefield of the mind winning the battle in your mind meyer joyce - Aug 06 2023

web oct 1 2002 through joyce meyer ministries joyce teaches on a number of topics with a particular focus on how the word of god applies to our everyday lives her candid communication style allows her to share openly and practically about her experiences so others can apply what she has learned to their lives

how to win daily battles of the mind joyce meyer - Jul 05 2023

web what is a stronghold a stronghold is an area where the enemy entrenches himself and takes control you have probably heard this term used when referring to soldiers fighting battles well the bible talks about strongholds in our mind these are areas of our thinking dominated by the enemy areas where we are deceived how does he do it

battlefield of the mind journal meyer joyce 9781546012511 - Jun 23 2022

web diary september 12 2023 renowned bible teacher and 1 new york times bestselling author joyce meyer provides readers with a companions journal to the inspiring bestseller battlefield of the mind so many of us suffer from worry doubt confusion anger depression and despair these destructive emotions and the thoughts that accompany

battlefield of the mind for teens winning the battle i - Mar 21 2022

web jan 1 2006 as joyce meyer explains her theory of thinking and how the biggest battle we might ever encounter is within our own minds me being a teenager i can say this book doesn't even bore me if anything it changed me

winning the battle of the mind daily devo joyce meyer ministries - Mar 01 2023

web dec 21 2022 winning the battle of the mind adapted from the resource the power of being thankful by joyce meyer 2 min read satan has declared war on god's children and our minds are the battlefield in which the war is won or lost

part 1 be careful what you think joyce meyer ministries - May 03 2023

web in battlefield of the mind joyce writes for most of my life i didn't think about what i was thinking about i simply thought whatever fell into my head i had no revelation that satan could inject thoughts into my mind the devil was controlling my life because he was controlling my thoughts

5 492 busy london streets premium high res photos - Mar 01 2023

web find busy london streets stock photos and editorial news pictures from getty images select from premium busy london streets of the highest quality

17 623 london busy street images stock photos vectors - May 03 2023

web popular crowd of people walking on a street in london busy crowds of anonymous motion blurred shoppers on london street rush hour city workers going to work commuters crossing crowded london bridge on the way home from work london

england uk

1 823 london busy streets stock photos high res pictures - Jul 05 2023

web london busy streets stock photos are available in a variety of sizes and formats to fit your needs

15 711 busy london street images stock photos vectors - Jan 31 2023

web find busy london street stock images in hd and millions of other royalty free stock photos illustrations and vectors in the shutterstock collection thousands of new high quality pictures added every day

busy translation into turkish examples english reverso - Jun 23 2022

web translation of busy in turkish everyone is busy but very few people are truly productive herkes meşgul ancak çok az insan gerçekten verimli olmaktadır two unreturned texts could be bad luck or someone being busy geri dönüşsüz iki

busy Перевод на русский примеры английский reverso - Feb 17 2022

web busy time 282 keep busy 208 busy road 188 keeping busy 119 busy schedule 1288 busy day 1141 Показать больше
Реклама Перевод контекст busy с английский на русский от reverso context i m busy get busy he s busy busy time keep busy

busiest high streets in london for a world class shopping experience - Nov 28 2022

web nov 21 2022 if you re planning a trip to london well you ll be in no short supply of shopping treasures cafes restaurants and lively venues on these bustling high streets so put on your comfy shoes and get ready to discover some of london s busiest shopping streets for some high class browsing

7 404 busy london street stock photos high res pictures - Jun 04 2023

web browse 7 404 authentic busy london street stock photos high res images and pictures or explore additional busy tube or london crowd stock images to find the right photo at the right size and resolution for your project busy tube

london busy street time lapse pexels - Aug 06 2023

web download london busy street time lapse free stock video in high resolution from pexels this is just one of many great free stock videos about architecture busy street central london

busy london videos download the best free 4k stock video - Sep 26 2022

web download and use 4 683 busy london stock videos for free thousands of new 4k videos every day completely free to use high quality hd videos and clips from pexels

nhs wales chief executive predicts very busy winter bbc - Apr 21 2022

web 2 days ago earlier bbc wales analysis suggested health boards could overspend by about 800m by the end of march 2024 having previously predicted overspends of 640m but they have been warned by ms

london busy photos and premium high res pictures getty - Dec 30 2022

web browse getty images premium collection of high quality authentic london busy stock photos royalty free images and pictures london busy stock photos are available in a variety of sizes and formats to fit your needs

5 658 london busy streets premium high res photos - Sep 07 2023

web 5 682 london busy streets photos and premium high res pictures getty images images images creative editorial

6 464 busy street london stock photos images pictures - Jul 25 2022

web london s busy area popular destination empty as people self isolate during covid 19 coronavirus pandemic empty streets

london uk 05 23 2020 london s busy daily life on the london street london trocadero crowded oxford street in london black

friday weekend in london the first sale before christmas regent street

busy london street pictures images and stock photos - Apr 02 2023

web search from busy london street stock photos pictures and royalty free images from istock find high quality stock photos that you won t find anywhere else

915 busy london streets stock photos images pictures - Aug 26 2022

web download busy london streets stock photos free or royalty free photos and images use them in commercial designs under lifetime perpetual worldwide rights dreamstime is the world s largest stock photography community

the busy doctor who gave himself another job tracking nazi - Mar 21 2022

web oct 31 2023 81 dr michael r hayden has spent more than a decade patiently searching for silver judaica taken from his grandfather max raphael hahn by the nazis alana paterson for the new york times by

after a busy construction season 2 key projects will wrap next year - May 23 2022

web 1 day ago it s been a long and busy construction season in london with more than 200 million in projects tendered in this year alone andrew lupton cbc news the project to bring bus rapid transit brt

free busy london street photos pexels - Oct 08 2023

web download and use 100 000 busy london street stock photos for free thousands of new images every day completely free to use high quality videos and images from pexels

busy translate english to turkish cambridge dictionary - Oct 28 2022

web busy translate meşgul yoğun insan ve eylem dolu olan yoğunluk dönemi meşgul kullanılmakta olan meşgul işi learn more in the cambridge english

apprendre avec les technologies cairn info - May 16 2023

web chapitre 1 médias et technologies dans l apprentissage apports et conflits 23 chapitre 2 les technologies quels usages pour quels effets 35 chapitre 3 la formation en tant que dispositif du terme au concept 47 chapitre 4

apprendre avec les technologies les cahiers pédagogiques - Nov 10 2022

web mar 14 2011 facebook twitter linkedin pinterest whatsapp telegram ce nouveau volume de la collection apprendre comme les précédents confie à des spécialistes universitaires le soin de synthétiser et de mettre à la disposition des praticiens un état des connaissances dans un domaine c est ici la question des environnements informatisés

apprendre avec les technologies numériques semantic scholar - Jun 05 2022

web dec 1 2012 cette note de synthese vise a repondre a la question suivante quels sont les effets produits par l usage des technologies numeriques sur le processus apprendre chez l adulte elle presente les recherches bibliographiques menees pour repondre a la question puis l analyse des documents pertinents trouves

apprendre avec les technologies cairn info - Oct 21 2023

web l analyse la conception et l évaluation des technologies et ressources pour apprendre constituent l essentiel de cet ouvrage le lecteur se familiarisera avec des concepts comme ceux de design et de scénario pédagogiques de réseau et de communauté de dispositif de formation et de technologie comme instrument cognitif

apprendre avec les technologies numériques researchgate - Mar 14 2023

web dec 1 2012 une revue de la littérature scientifique en matière d usage du numérique à l université pour professionnaliser les étudiants se destinant aux métiers de l enseignement permet d établir

apprendre avec les technologies bernadette charlier apprendre - Sep 20 2023

web aug 25 2010 l analyse la conception et l évaluation des technologies et ressources pour apprendre constituent l essentiel de cet ouvrage le lecteur se familiarisera avec des concepts comme ceux de design et de scénario pédagogiques de réseau et de communauté de dispositif de formation et de technologie comme instrument cognitif

apprendre et enseigner avec les nouvelles technologies et - Apr 03 2022

web cours permettre aux étudiants de o comprendre les nouvelles technologies de l information et de la communication ntic audio visuel multimédias réseau internet o cerner les possibilités pédagogiques et les limites des ntic o décrire des dispositifs pédagogiques intégrant ces outils o évaluer les

technology digital learning at schools in singapore honeykids asia - May 04 2022

web may 5 2023 the perse school singapore if you re looking for a school that blends innovation technology and face to face learning you ve landed in the right place the perse school singapore is a fully technology enabled school says head of science jeffri khalid technology is integrated seamlessly into our curriculum facilitating

chapitre 11 les tic ont elles transformé l enseignement et la - Mar 02 2022

web l usage des dernières nouvelles technologies est très souvent plébiscité par les politiques mais aussi par certains formateurs d enseignants et chercheurs porteurs de projets

pdf enseigner avec les technologies favoriser les apprentissages - Sep 08 2022

web pdf on jan 1 2007 christian depover and others published enseigner avec les technologies favoriser les apprentissages développer des compétences find read and cite all the research you

[technology skills online learning at sg international schools](#) - Jul 06 2022

web may 23 2023 dover court international school dcis operates on a bring your own device policy for students in primary and secondary schools this ensures that technology skills are seamlessly embedded into the learning experience across all curriculum areas at the foundation of learning using technology at dcis is the commitment to digital

apprendre avec les technologies [openedition journals](#) - Apr 15 2023

web nov 9 2010 il y trouvera l'apport d'experts en sciences de l'éducation sciences de la communication et informatique lui offrant une synthèse des recherches récentes sur les transformations que les technologies induisent dans l'enseignement et l'apprentissage haut de page auteurs bernadette charlier dir france henri dir haut de page discipline

les technologies dans l'éducation 2021 2 gem report - Feb 13 2023

web un secteur des technologies éducatives a émergé et s'est concentré successivement sur l'élaboration et la diffusion de contenus éducatifs les systèmes de gestion de l'apprentissage les applications linguistiques la réalité augmentée et virtuelle le tutorat personnalisé et le contrôle des connaissances

[digital learning apprendre avec les nouvelles technologies](#) - Jul 18 2023

web on peut définir le digital learning comme une méthode d'apprentissage ou une approche pédagogique au cours de laquelle sont utilisés des outils digitaux et ce de différentes manières en présentiel en distanciel formation à distance asynchrone ou synchrone au travail ou même en formation mixte dite blended learning

des technologies pour enseigner et apprendre cairn info - Dec 11 2022

web les technologies de l'information et de la communication tic sont souvent proposées comme une solution aux problèmes de l'enseignement et de l'apprentissage bien sûr ces nouveaux outils offrent des potentiels et des ressources importantes

bernadette charlier france henri apprendre avec les technologies - Oct 09 2022

web 3 les premiers chapitres regroupés sous le titre comprendre les technologies sont centrés sur les enjeux pédagogiques sociaux et organisationnels nés des usages des technologies les six chercheurs sollicités repèrent tout à tour les apports et les conflits liés à l'usage des médias et techniques lors des apprentissages et

Éducation comment la technologie enrichit l'apprentissage jdn - Jun 17 2023

web dec 18 2020 kahoot mis à jour le 18 12 20 12 52 la crise sanitaire a bouleversé la manière d'apprendre et accéléré l'évolution technologique au sein des écoles et des entreprises une

apprendre avec les technologies de bernadette charlier decitre - Jan 12 2023

web aug 25 2010 il y trouvera l'apport d'experts en sciences de l'éducation sciences de la communication et informatique

lui offrant une synthèse des recherches récentes sur les transformations que les technologies induisent dans l'enseignement et l'apprentissage

[apprendre avec les technologies numériques quels effets](#) - Aug 19 2023

web 13 au final les effets des technologies numériques sur l'apprendre sont étudiés aujourd'hui dans au moins trois domaines bien distincts des sciences de l'éducation : éducation à distance e-learning et serious games auxquels il faut ajouter la psychologie cognitive, psychologie des apprentissages et pour l'

[apprendre avec les technologies broché fnac](#) - Aug 07 2022

web apprendre avec les technologies feuilleté format broché broché 25 50 ebook epub 19 99 offres sur ce produit avec le retrait magasin fnac renouvellement fnac à 4 99 résumé voir tout l'usage des technologies est aujourd'hui un acquis aussi bien pour l'éducation que pour la formation professionnelle